Solenis

2024 CDP Corporate Questionnaire 2024

Word version

Important: this export excludes unanswered questions
This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.
Terms of disclosure for corporate questionnaire 2024 - CDP

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02/21/2025, 03:47 pm

Contents

C1. Introduction

(1.1) In which language are you submitting your response?

Select from:
☑ English

(1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:
☑ USD

(1.3) Provide an overview and introduction to your organization.

(1.3.2) Organization type

Select from:
☑ Privately owned organization

(1.3.3) Description of organization

Solenis, owned by Platinum Equity, is a leading global producer of specialty chemicals focused on delivering sustainable solutions for water-intensive industries, including pulp and paper, institutional, industrial, food and beverage, and pool and spa water markets. The company's product portfolio includes a broad array of water treatment chemistries, process aids, functional additives, cleaners, disinfectants, and state-of-the-art monitoring, control and delivery systems. These technologies are used by customers to improve operational efficiencies, enhance product quality, protect plant assets, minimize environmental impact, and create cleaner and safer environments. Headquartered in Wilmington, Delaware, the company has 70 manufacturing facilities strategically located around the globe and employs a team of over 16,500 professionals in 130 countries across six continents. Solenis is a 2024 Best Managed Company Gold Standard honoree.
[Fixed row]

(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

(1.4.1) End date of reporting year

09/29/2023

(1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

☑ Yes

(1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

☑ Yes

(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

☑ 5 years

(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

☑ 5 years

(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

☑ 2 years

[Fixed row]

(1.4.1) What is your organization’s annual revenue for the reporting period?

7264200000

(1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	Select from: ☑ Not applicable – we do not publicly disclose financial statements

[Fixed row]

(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

ISIN code - bond

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

ISIN code - equity

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

CUSIP number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

Ticker symbol

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

SEDOL code

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

LEI number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

D-U-N-S number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

230692082

Other unique identifier

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

[Add row]

(1.7) Select the countries/areas in which you operate.

Select all that apply

☑ Peru
☑ Chile
☑ China
☑ Egypt
☑ India
☑ France
☑ Greece
☑ Israel
☑ Mexico
☑ Poland
☑ Belgium
☑ Czechia
☑ Finland
☑ Germany
☑ Hungary
☑ Malaysia
☑ Pakistan
☑ Portugal
☑ Slovakia
☑ Thailand
☑ Singapore
☑ Italy
☑ Kenya
☑ Spain
☑ Brazil
☑ Canada
☑ Rwanda
☑ Sweden
☑ Turkey
☑ Uganda
☑ Austria
☑ Ireland
☑ Morocco
☑ Nigeria
☑ Romania
☑ Colombia
☑ Viet Nam
☑ Argentina
☑ Australia
☑ Guatemala
☑ Indonesia
☑ Switzerland

☑ Costa Rica
☑ Netherlands
☑ New Zealand
☑ Philippines
☑ Russian Federation
☑ Hong Kong SAR, China
☑ United Arab Emirates
☑ United States of America
☑ United Republic of Tanzania
☑ Saudi Arabia
☑ South Africa
☑ Taiwan, China
☑ Republic of Korea
☑ United Kingdom of Great Britain and Northern Ireland

(1.8) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
	Select from: ☑ Yes, for all facilities	*Data included for all manufacturing facilities*

[Fixed row]

(1.8.1) Please provide all available geolocation data for your facilities.

Row 1

(1.8.1.1) Identifier

Alpharetta, US Georgia

(1.8.1.2) Latitude

34.113675

(1.8.1.3) Longitude

-84.229649

(1.8.1.4) Comment

.

Row 2

(1.8.1.1) Identifier

Altamira, Mexico

(1.8.1.2) Latitude

22.418104

(1.8.1.3) Longitude

-97.88905

(1.8.1.4) Comment

.

Row 3

(1.8.1.1) Identifier

Amboise, France

(1.8.1.2) Latitude

47.413262

(1.8.1.3) Longitude

1.014258

(1.8.1.4) Comment

.

Row 4

(1.8.1.1) Identifier

Americana, Brazil

(1.8.1.2) Latitude

-22.697166

(1.8.1.3) Longitude

-47.354923

(1.8.1.4) Comment

.

Row 5

(1.8.1.1) Identifier

Ankleshwar, India

(1.8.1.2) Latitude

21.6265

(1.8.1.3) Longitude

73.015213

(1.8.1.4) Comment

.

Row 6

(1.8.1.1) Identifier

Araraquara, Brazil

(1.8.1.2) Latitude

-21.779084

(1.8.1.3) Longitude

-48.179264

(1.8.1.4) Comment

.

Row 7

(1.8.1.1) Identifier

Bagnolo, Italy

(1.8.1.2) Latitude

45.350215

(1.8.1.3) Longitude

9.609391

(1.8.1.4) Comment

.

Row 8

(1.8.1.1) Identifier

Banfu, China

(1.8.1.2) Latitude

22.414492

(1.8.1.3) Longitude

113.322891

(1.8.1.4) Comment

.

Row 9

(1.8.1.1) Identifier

Bradford, UK

(1.8.1.2) Latitude

53.751544

(1.8.1.3) Longitude

-1.759126

(1.8.1.4) Comment

.

Row 12

(1.8.1.1) Identifier

Braeside, Australia Victoria

(1.8.1.2) Latitude

-37.987519

(1.8.1.3) Longitude

145.116238

(1.8.1.4) Comment

.

Row 13

(1.8.1.1) Identifier

Burlington, Canada Ontario

(1.8.1.2) Latitude

43.334723

(1.8.1.3) Longitude

-79.816534

(1.8.1.4) Comment

.

Row 14

(1.8.1.1) Identifier

Busnago, Italy

(1.8.1.2) Latitude

45.610474

(1.8.1.3) Longitude

9.460698

(1.8.1.4) Comment

.

Row 15

(1.8.1.1) Identifier

Candiac, Canada Quebec

(1.8.1.2) Latitude

45.398246

(1.8.1.3) Longitude

-73.521572

(1.8.1.4) Comment

.

Row 16

(1.8.1.1) Identifier

Charleston, US Tennessee

(1.8.1.2) Latitude

35.307697

(1.8.1.3) Longitude

-84.782975

(1.8.1.4) Comment

.

Row 17

(1.8.1.1) Identifier

Chicopee, US Massachusetts

(1.8.1.2) Latitude

42.18251

(1.8.1.3) Longitude

-72.60946

(1.8.1.4) Comment

.

Row 18

(1.8.1.1) Identifier

Conde Duque, Spain

(1.8.1.2) Latitude

40.207084

(1.8.1.3) Longitude

-3.677671

(1.8.1.4) Comment

.

Row 19

(1.8.1.1) Identifier

Cotes Park, UK

(1.8.1.2) Latitude

53.090138

(1.8.1.3) Longitude

-1.369285

(1.8.1.4) Comment

.

Row 20

(1.8.1.1) Identifier

Eau Claire, US Wisconsin

(1.8.1.2) Latitude

44.799362

(1.8.1.3) Longitude

-91.460407

(1.8.1.4) Comment

.

Row 21

(1.8.1.1) Identifier

Enschede, Netherlands

(1.8.1.2) Latitude

52.219744

(1.8.1.3) Longitude

6.859822

(1.8.1.4) Comment

.

Row 22

(1.8.1.1) Identifier

Florence, US Kentucky

(1.8.1.2) Latitude

38.981487

(1.8.1.3) Longitude

-84.603216

(1.8.1.4) Comment

.

Row 23

(1.8.1.1) Identifier

Franklin, US Virginia

(1.8.1.2) Latitude

36.651805

(1.8.1.3) Longitude

-76.99879

(1.8.1.4) Comment

.

Row 24

(1.8.1.1) Identifier

Gebze, Turkey

(1.8.1.2) Latitude

40.801299

(1.8.1.3) Longitude

29.491227

(1.8.1.4) Comment

.

Row 25

(1.8.1.1) Identifier

Gimcheon, Korea

(1.8.1.2) Latitude

36.133359

(1.8.1.3) Longitude

128.116691

(1.8.1.4) Comment

.

Row 26

(1.8.1.1) Identifier

Girardota, Columbia

(1.8.1.2) Latitude

6.382067

(1.8.1.3) Longitude

-75.456666

(1.8.1.4) Comment

.

Row 27

(1.8.1.1) Identifier

Greensboro, US North Carolina

(1.8.1.2) Latitude

36.047491

(1.8.1.3) Longitude

-79.789092

(1.8.1.4) Comment

.

Row 28

(1.8.1.1) Identifier

Grimsby, UK

(1.8.1.2) Latitude

53.590474

(1.8.1.3) Longitude

-0.127563

(1.8.1.4) Comment

.

Row 29

(1.8.1.1) Identifier

Helsingborg, Sweden

(1.8.1.2) Latitude

56.006885

(1.8.1.3) Longitude

12.724495

(1.8.1.4) Comment

.

Row 30

(1.8.1.1) Identifier

Henderson, US Colorado

(1.8.1.2) Latitude

39.862659

(1.8.1.3) Longitude

-104.883395

(1.8.1.4) Comment

.

Row 31

(1.8.1.1) Identifier

Houston, US Texas

(1.8.1.2) Latitude

29.621669

(1.8.1.3) Longitude

-95.312388

(1.8.1.4) Comment

.

Row 32

(1.8.1.1) Identifier

Igarassu, Brazil

(1.8.1.2) Latitude

-7.792325

(1.8.1.3) Longitude

-34.980133

(1.8.1.4) Comment

.

Row 33

(1.8.1.1) Identifier

Kempton Park, South Africa

(1.8.1.2) Latitude

-26.068369

(1.8.1.3) Longitude

28.179978

(1.8.1.4) Comment

.

Row 34

(1.8.1.1) Identifier

Kirchheimbolanden, Germany

(1.8.1.2) Latitude

49.675675

(1.8.1.3) Longitude

8.014725

(1.8.1.4) Comment

.

Row 35

(1.8.1.1) Identifier

Krefeld, Germany

(1.8.1.2) Latitude

51.321088

(1.8.1.3) Longitude

6.581415

(1.8.1.4) Comment

.

Row 36

(1.8.1.1) Identifier

Kwinana, Australia SW

(1.8.1.2) Latitude

-32.211804

(1.8.1.3) Longitude

115.77677

(1.8.1.4) Comment

.

Row 37

(1.8.1.1) Identifier

Olathe, US Kansas

(1.8.1.2) Latitude

38.83617

(1.8.1.3) Longitude

-94.820225

(1.8.1.4) Comment

.

Row 38

(1.8.1.1) Identifier

London, Canada Ontario

(1.8.1.2) Latitude

42.920635

(1.8.1.3) Longitude

-81.189896

(1.8.1.4) Comment

.

Row 39

(1.8.1.1) Identifier

Lurin, Peru

(1.8.1.2) Latitude

-12.28052

(1.8.1.3) Longitude

-76.86407

(1.8.1.4) Comment

.

Row 40

(1.8.1.1) Identifier

Macon, US Georgia

(1.8.1.2) Latitude

32.701408

(1.8.1.3) Longitude

-83.66237

(1.8.1.4) Comment

.

Row 41

(1.8.1.1) Identifier

Mexico City, Mexico

(1.8.1.2) Latitude

19.467105

(1.8.1.3) Longitude

-99.118161

(1.8.1.4) Comment

.

Row 42

(1.8.1.1) Identifier

Milwaukee, US Wisconsin

(1.8.1.2) Latitude

43.112882

(1.8.1.3) Longitude

-87.963421

(1.8.1.4) Comment

.

Row 43

(1.8.1.1) Identifier

Munchweilen, Switzerland

(1.8.1.2) Latitude

47.477385

(1.8.1.3) Longitude

8.990089

(1.8.1.4) Comment

.

Row 44

(1.8.1.1) Identifier

Nalagarh, India

(1.8.1.2) Latitude

31.047462

(1.8.1.3) Longitude

76.698737

(1.8.1.4) Comment

.

Row 45

(1.8.1.1) Identifier

Nantou, Taiwan

(1.8.1.2) Latitude

23.937037

(1.8.1.3) Longitude

120.665263

(1.8.1.4) Comment

.

Row 46

(1.8.1.1) Identifier

Pasadena, US Texas

(1.8.1.2) Latitude

29.617091

(1.8.1.3) Longitude

-95.060927

(1.8.1.4) Comment

.

Row 47

(1.8.1.1) Identifier

Paulinia, Brazil

(1.8.1.2) Latitude

-22.755009

(1.8.1.3) Longitude

-47.128956

(1.8.1.4) Comment

.

Row 48

(1.8.1.1) Identifier

Pindo Deli, Indonesia

(1.8.1.2) Latitude

-6.390004

(1.8.1.3) Longitude

107.342943

(1.8.1.4) Comment

.

Row 49

(1.8.1.1) Identifier

Pine Bluff, US Arkansas

(1.8.1.2) Latitude

34.224908

(1.8.1.3) Longitude

-92.003398

(1.8.1.4) Comment

.

Row 50

(1.8.1.1) Identifier

Portland, US Oregon

(1.8.1.2) Latitude

45.547068

(1.8.1.3) Longitude

-122.709272

(1.8.1.4) Comment

.

Row 51

(1.8.1.1) Identifier

Savannah, US Georgia

(1.8.1.2) Latitude

32.088769

(1.8.1.3) Longitude

-81.149332

(1.8.1.4) Comment

.

Row 52

(1.8.1.1) Identifier

Shanghai, China

(1.8.1.2) Latitude

31.080525

(1.8.1.3) Longitude

121.378888

(1.8.1.4) Comment

.

Row 53

(1.8.1.1) Identifier

Sobernheim, Germany

(1.8.1.2) Latitude

49.787346

(1.8.1.3) Longitude

7.626481

(1.8.1.4) Comment

.

Row 54

(1.8.1.1) Identifier

Socorro, Brazil

(1.8.1.2) Latitude

-23.66991

(1.8.1.3) Longitude

-46.713247

(1.8.1.4) Comment

.

Row 55

(1.8.1.1) Identifier

Somercotes, UK

(1.8.1.2) Latitude

53.085038

(1.8.1.3) Longitude

-1.377298

(1.8.1.4) Comment

.

Row 56

(1.8.1.1) Identifier

Sorocaba, Brazil

(1.8.1.2) Latitude

-22.697032

(1.8.1.3) Longitude

-47.355002

(1.8.1.4) Comment

.

Row 57

(1.8.1.1) Identifier

South Charleston, US West Virginia

(1.8.1.2) Latitude

38.367434

(1.8.1.3) Longitude

-81.705513

(1.8.1.4) Comment

.

Row 58

(1.8.1.1) Identifier

Springvale, Australia Victoria

(1.8.1.2) Latitude

-37.932361

(1.8.1.3) Longitude

145.148343

(1.8.1.4) Comment

.

Row 59

(1.8.1.1) Identifier

Suffolk, US Virginia

(1.8.1.2) Latitude

36.777413

(1.8.1.3) Longitude

-76.541822

(1.8.1.4) Comment

.

Row 60

(1.8.1.1) Identifier

Tampere, Finland

(1.8.1.2) Latitude

61.502157

(1.8.1.3) Longitude

23.577692

(1.8.1.4) Comment

.

Row 61

(1.8.1.1) Identifier

Tarragona, Spain

(1.8.1.2) Latitude

41.116163

(1.8.1.3) Longitude

1.232698

(1.8.1.4) Comment

.

Row 62

(1.8.1.1) Identifier

Terrassa, Spain

(1.8.1.2) Latitude

41.54207

(1.8.1.3) Longitude

2.039593

(1.8.1.4) Comment

.

Row 63

(1.8.1.1) Identifier

Tijiw Kimia, Indonesia

(1.8.1.2) Latitude

-7.435365

(1.8.1.3) Longitude

112.462523

(1.8.1.4) Comment

.

Row 64

(1.8.1.1) Identifier

Tlanepantla, Mexico

(1.8.1.2) Latitude

19.553217

(1.8.1.3) Longitude

-99.202623

(1.8.1.4) Comment

.

Row 65

(1.8.1.1) Identifier

Toledo, US Ohio

(1.8.1.2) Latitude

41.633402

(1.8.1.3) Longitude

-83.617404

(1.8.1.4) Comment

.

Row 66

(1.8.1.1) Identifier

Toluca, Mexico

(1.8.1.2) Latitude

19.386271

(1.8.1.3) Longitude

-99.566081

(1.8.1.4) Comment

.

Row 67

(1.8.1.1) Identifier

Villa Bosch, Argentina

(1.8.1.2) Latitude

-34.576216

(1.8.1.3) Longitude

-58.420379

(1.8.1.4) Comment

.

Row 68

(1.8.1.1) Identifier

Wadeville, South Africa

(1.8.1.2) Latitude

-26.258244

(1.8.1.3) Longitude

28.184659

(1.8.1.4) Comment

.

Row 69

(1.8.1.1) Identifier

Watertown, US Wisconsin

(1.8.1.2) Latitude

43.183909

(1.8.1.3) Longitude

-88.721094

(1.8.1.4) Comment

.

Row 70

(1.8.1.1) Identifier

Zhuhai, China

(1.8.1.2) Latitude

22.170888

(1.8.1.3) Longitude

113.493551

(1.8.1.4) Comment

.
[Add row]

(1.14) In which part of the chemicals value chain does your organization operate?

Other chemicals

☑ Specialty inorganic chemicals

☑ Specialty organic chemicals

(1.22) Provide details on the commodities that you produce and/or source.

Timber products

(1.22.1) Produced and/or sourced

Select from:

☑ Sourced

(1.22.2) Commodity value chain stage

Select all that apply

☑ Manufacturing

(1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

☑ No, the total volume is unknown

(1.22.11) Form of commodity

Select all that apply

☑ Boards, plywood, engineered wood

☑ Paper

☑ Tertiary packaging

(1.22.12) % of procurement spend

Select from:

☑ Unknown

(1.22.13) % of revenue dependent on commodity

Select from:

☑ Unknown

(1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

☑ No, not disclosing

(1.22.16) Reason for not disclosing

Select all that apply

☑ Data is not available

☑ Not an immediate strategic priority

☑ Recent acquisition or merger

(1.22.17) Completion date of acquisition or merger

07/04/2023

(1.22.18) Explanation for not disclosing

Solenis completed the significant acquisition of Diversey in 2023 and has prioritized the integration of the businesses

Palm oil

(1.22.1) Produced and/or sourced

Select from:

☑ Sourced

(1.22.2) Commodity value chain stage

Select all that apply

☑ Manufacturing

(1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

☑ Yes, we are providing the total volume

(1.22.5) Total commodity volume (metric tons)

36

(1.22.8) Did you convert the total commodity volume from another unit to metric tons?

Select from:
☑ No

(1.22.11) Form of commodity

Select all that apply
☑ Refined palm oil

(1.22.12) % of procurement spend

Select from:
☑ Less than 1%

(1.22.13) % of revenue dependent on commodity

Select from:
☑ Less than 1%

(1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:
☑ Yes, disclosing

(1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:
☑ No

(1.22.19) Please explain

Palm oil is used as a raw material in some of our manufacturing processes

Soy

(1.22.1) Produced and/or sourced

Select from:

☑ Sourced

(1.22.2) Commodity value chain stage

Select all that apply

☑ Manufacturing

(1.22.3) Indicate if you have direct soy and/or embedded soy in your value chain

Select from:

☑ Mixture of embedded soy and direct soy

(1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

☑ No, the total volume is unknown

(1.22.11) Form of commodity

Select all that apply

☑ Soy derivatives

(1.22.12) % of procurement spend

Select from:

☑ Unknown

(1.22.13) % of revenue dependent on commodity

Select from:

☑ Unknown

(1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

☑ No, not disclosing

(1.22.16) Reason for not disclosing

Select all that apply

☑ Data is not available

☑ Not an immediate strategic priority

☑ Recent acquisition or merger

(1.22.17) Completion date of acquisition or merger

07/04/2023

(1.22.18) Explanation for not disclosing

Solenis completed the significant acquisition of Diversey in 2023 and has prioritized the integration of the businesses

Rubber

(1.22.1) Produced and/or sourced

Select from:

☑ Sourced

(1.22.2) Commodity value chain stage

Select all that apply

☑ Manufacturing

(1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

☑ No, the total volume is unknown

(1.22.11) Form of commodity

Select all that apply

☑ Other, please specify **:**Engineering materials

(1.22.12) % of procurement spend

Select from:

☑ Unknown

(1.22.13) % of revenue dependent on commodity

Select from:

☑ Unknown

(1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

☑ No, not disclosing

(1.22.16) Reason for not disclosing

Select all that apply

☑ Data is not available

☑ Not an immediate strategic priority

☑ Recent acquisition or merger

(1.22.17) Completion date of acquisition or merger

07/04/2023

(1.22.18) Explanation for not disclosing

Solenis completed the significant acquisition of Diversey in 2023 and has prioritized the integration of the businesses
[Fixed row]

(1.24) Has your organization mapped its value chain?

(1.24.1) Value chain mapped

Select from:

☑ Yes, we have mapped or are currently in the process of mapping our value chain

(1.24.2) Value chain stages covered in mapping

Select all that apply

☑ Upstream value chain

(1.24.3) Highest supplier tier mapped

Select from:

☑ Tier 1 suppliers

(1.24.4) Highest supplier tier known but not mapped

Select from:

☑ Tier 3 suppliers

(1.24.6) Smallholder inclusion in mapping

Select from:

☑ Smallholders not relevant, and not included

(1.24.7) Description of mapping process and coverage

Solenis has a protocol implemented to ensure that all the supplier information is gathered. Among this information, there is a mandatory document named VRR (Vendor Regulatory Request) filled by the supplier to ensure that supplier fulfils the required specifications.
[Fixed row]

(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?

	Plastics mapping	Value chain stages covered in mapping
	Select from: ☑ Yes, we have mapped or are currently in the process of mapping plastics in our value chain	*Select all that apply* ☑ Upstream value chain

[Fixed row]

(1.24.2) Which commodities has your organization mapped in your upstream value chain (i.e., supply chain)?

Palm oil

(1.24.2.1) Value chain mapped for this sourced commodity

Select from:
☑ Yes

(1.24.2.2) Highest supplier tier mapped for this sourced commodity

Select from:

☑ Tier 1 suppliers

(1.24.2.3) % of tier 1 suppliers mapped

Select from:

☑ 76-99%

(1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

☑ Tier 2 suppliers

[Fixed row]

C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

Short-term

(2.1.1) From (years)

2

(2.1.3) To (years)

6

(2.1.4) How this time horizon is linked to strategic and/or financial planning

In the short-term horizon we focus on regulatory compliance and operational efficiency improvements.

Medium-term

(2.1.1) From (years)

6

(2.1.3) To (years)

26

(2.1.4) How this time horizon is linked to strategic and/or financial planning

Medium-term planning includes strategic initiatives such as the transition to low-carbon technologies, renewable energy adoption and the development of sustainable product lines.

Long-term

(2.1.1) From (years)

26

(2.1.2) Is your long-term time horizon open ended?

Select from:
☑ Yes

(2.1.4) How this time horizon is linked to strategic and/or financial planning

In the long-term, we consider capital investments and R&D projects that will enhance our resilience and competitiveness in a low-carbon future.
[Fixed row]

(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from: ☑ Yes	*Select from:* ☑ Both dependencies and impacts

[Fixed row]

(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: ☑ Yes	*Select from:* ☑ Both risks and opportunities	*Select from:* ☑ Yes

[Fixed row]

(2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.

Row 1

(2.2.2.1) Environmental issue

Select all that apply

☑ Climate change

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Dependencies

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain
☑ Downstream value chain

(2.2.2.4) Coverage

Select from:
☑ Partial

(2.2.2.5) Supplier tiers covered

Select all that apply
☑ Tier 1 suppliers

(2.2.2.7) Type of assessment

Select from:
☑ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:
☑ Every two years

(2.2.2.9) Time horizons covered

Select all that apply
☑ Short-term
☑ Medium-term
☑ Long-term

(2.2.2.10) Integration of risk management process

Select from:
☑ A specific environmental risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ Site-specific

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

☑ Other commercially/publicly available tools, please specify :TCFD

International methodologies and standards

☑ IPCC Climate Change Projections

☑ ISO 14001 Environmental Management Standard

Other

☑ External consultants

☑ Materiality assessment

☑ Scenario analysis

(2.2.2.13) Risk types and criteria considered

Acute physical

☑ Tornado

☑ Landslide

☑ Wildfires

☑ Heat waves

☑ Cold wave/frost

☑ Cyclones, hurricanes, typhoons

☑ Heavy precipitation (rain, hail, snow/ice)

☑ Flood (coastal, fluvial, pluvial, ground water)

Chronic physical

☑ Water stress

Policy

☑ Carbon pricing mechanisms

☑ Changes to international law and bilateral agreements
☑ Changes to national legislation

Market
☑ Availability and/or increased cost of raw materials
☑ Changing customer behavior

Reputation
☑ Stigmatization of sector

Technology
☑ Dependency on water-intensive energy sources

Liability
☑ Exposure to litigation

(2.2.2.14) Partners and stakeholders considered

Select all that apply
☑ Customers
☑ Employees
☑ Regulators
☑ Suppliers

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:
☑ Yes

(2.2.2.16) Further details of process

Physical and Transition Risk Analysis carried out for TCFD. Analysis does not include heritage Diversey sites

Row 2

(2.2.2.1) Environmental issue

Select all that apply

☑ Water

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Dependencies

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Direct operations

(2.2.2.4) Coverage

Select from:

☑ Full

(2.2.2.7) Type of assessment

Select from:

☑ Qualitative only

(2.2.2.8) Frequency of assessment

Select from:

☑ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☑ Short-term

☑ Medium-term

☑ Long-term

(2.2.2.10) Integration of risk management process

Select from:

☑ A specific environmental risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ Site-specific

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

☑ WRI Aqueduct

☑ WWF Water Risk Filter

Other

☑ External consultants

(2.2.2.13) Risk types and criteria considered

Acute physical

☑ Drought

☑ Flood (coastal, fluvial, pluvial, ground water)

Policy

☑ Increased difficulty in obtaining water withdrawals permit

☑ Regulation of discharge quality/volumes

☑ Statutory water withdrawal limits/changes to water allocation

Technology

☑ Dependency on water-intensive energy sources

☑ Transition to water efficient and low water intensity technologies and products

(2.2.2.14) Partners and stakeholders considered

Select all that apply

☑ Customers

☑ Regulators

☑ Water utilities at a local level

☑ Other water users at the basin/catchment level

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☑ Yes

(2.2.2.16) Further details of process

Physical and Transition Risk Analysis carried out for TCFD. Analysis does not include heritage Diversey sites. A screening assessment of all sites including hDiversey has been carried out using the WRI aqueduct and WWF tools.
[Add row]

(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?

(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed

Select from:

☑ Yes

(2.2.7.2) Description of how interconnections are assessed

Solenis assesses the interconnections between environmental dependencies, impacts, risks, and opportunities through an TCFD. TCFD otucomes is aligned with our overall enterprise risk management (ERM) system and is designed to capture the complexities and interdependencies of environmental factors across our global operations.We utilize scenario analysis to understand how different climate risks, such as water stress and flooding, interact with our operational dependencies and market opportunities. For example, our assessments have identified that water scarcity not only poses a risk to our production processes but also offers opportunities for innovation in water-efficient technologies, which aligns with our R&D focus on sustainability. We also consider the synergies between our decarbonization efforts and energy efficiency improvements, ensuring that these strategies are aligned with our broader sustainability goals. These interconnections are regularly reviewed and updated as part of our annual climate risk assessments, ensuring that our strategy remains responsive to the evolving environmental landscape.
[Fixed row]

(2.3) Have you identified priority locations across your value chain?

(2.3.1) Identification of priority locations

Select from:

☑ Yes, we have identified priority locations

(2.3.2) Value chain stages where priority locations have been identified

Select all that apply

☑ Direct operations

(2.3.3) Types of priority locations identified

Sensitive locations

☑ Areas important for biodiversity

☑ Areas of limited water availability, flooding, and/or poor quality of water

Locations with substantive dependencies, impacts, risks, and/or opportunities

☑ Locations with substantive dependencies, impacts, risks, and/or opportunities relating to water

☑ Locations with substantive dependencies, impacts, risks, and/or opportunities relating to biodiversity

(2.3.4) Description of process to identify priority locations

The WWF Biodiversity Risk Filter and the WRI Aqueduct tool are used to identify priority locations for biodiversity and water. This is supported by an annual sustainability survey where sites provide feedback on the findings of the results of the WWF and WRI assessments.

(2.3.5) Will you be disclosing a list/spatial map of priority locations?

Select from:

☑ Yes, we will be disclosing the list/geospatial map of priority locations

(2.3.6) Provide a list and/or spatial map of priority locations

2024 WRI List.pdf
[Fixed row]

(2.4) How does your organization define substantive effects on your organization?

Risks

(2.4.1) Type of definition

Select all that apply

☑ Quantitative

(2.4.2) Indicator used to define substantive effect

Select from:

☑ Asset value

(2.4.3) Change to indicator

Select from:

☑ Absolute increase

(2.4.5) Absolute increase/ decrease figure

100000000

(2.4.6) Metrics considered in definition

Select all that apply

☑ Frequency of effect occurring

☑ Likelihood of effect occurring

(2.4.7) Application of definition

At Solenis, a 'substantive effect' is defined as any impact that significantly alters our financial stability, operational capabilities, or stakeholder relationships. Therefore, assets with a value at risk exceeding 100 million or contributing to 5% or more of our overall production due to climate hazards and risks are identified as substantive effects. These thresholds were determined based on internal discussions. Exceeding these thresholds would trigger a substantive effect, such as requiring a reallocation of resources, potential restructuring of affected business units, or necessitating strategic shifts to mitigate risks.

Opportunities

(2.4.1) Type of definition

Select all that apply

☑ Qualitative

(2.4.6) Metrics considered in definition

Select all that apply

☑ Frequency of effect occurring

☑ Likelihood of effect occurring

(2.4.7) Application of definition

At Solenis, a 'substantive effect' in terms of opportunities is defined as any potential benefit that could significantly enhance our financial performance, operational efficiency, or market position. These opportunities are identified through our TCFD-aligned analysis and include areas such as resource efficiency, energy sourcing, and product innovation. For instance, Solenis is investing in energy efficiency projects and exploring the reuse of materials within our production processes, which could lead to cost reductions and operational improvements. Additionally, the transition to lower-emission energy sources and the development of new products that enable resource and energy efficiency for our customers are seen as potentially high-impact opportunities. These initiatives align with market demands for sustainable solutions and position Solenis as a leader in the low-carbon economy. Furthermore, as the global market increasingly shifts towards sustainability, Solenis aims to capitalize on new market opportunities, particularly in the area of low-carbon water treatment solutions. While we have not set specific quantified thresholds for these opportunities, our focus is on leveraging these strategic areas to drive growth and enhance our competitive advantage in a transitioning global economy.
[Add row]

(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

(2.5.1) Identification and classification of potential water pollutants

Select from:
☑ Yes, we identify and classify our potential water pollutants

(2.5.2) How potential water pollutants are identified and classified

Our approach to managing water pollutants is governed by our Responsible Care and Sustainability Policies (https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/responsible-care-english-v01.pdf, https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainability-v01.pdf). We identify and assess environmental risks through a company-wide global environmental, health, safety and security (EHS&S) management system (certified under RC14001 and ISO 14001). We use an annual internal Environmental, Health and Safety survey to assess and improve the sustainability status of our manufacturing plants. The survey covers different environmental topics, such as biodiversity, energy management, water management, spill management, hazardous materials and waste management.
[Fixed row]

(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Row 1

(2.5.1.1) Water pollutant category

Select from:

☑ Other nutrients and oxygen demanding pollutants

(2.5.1.2) Description of water pollutant and potential impacts

Many of our sites have wastewater effluent streams that can have a significant oxygen demand. To ensure that adverse impacts are minimized the sites either use their own installed wastewater treatment facilities or use third party water treatment services. As part of our RC14001 and ISO14001 certification the sites environmental management systems are regularly audited

(2.5.1.3) Value chain stage

Select all that apply

☑ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

☑ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

(2.5.1.5) Please explain

For each site the effluent treatment method is determined based on the most appropriate technology available

Row 2

(2.5.1.1) Water pollutant category

Select from:

☑ Inorganic pollutants

(2.5.1.2) Description of water pollutant and potential impacts

Many of our sites have wastewater effluent streams that can have inorganic pollutants. To ensure that adverse impacts are minimised the sites either use their own installed wastewater treatment facilities or use third party water treatment services. As part of our RC14001 and ISO14001 certification the sites environmental management systems are regularly audited

(2.5.1.3) Value chain stage

Select all that apply

☑ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

☑ Requirement for suppliers to comply with regulatory requirements

(2.5.1.5) Please explain

For each site the effluent treatment method is determined based on the most appropriate technology available
[Add row]

C3. Disclosure of risks and opportunities

(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.1.1) Environmental risks identified

Select from:

☑ Yes, both in direct operations and upstream/downstream value chain

Forests

(3.1.1) Environmental risks identified

Select from:

☑ No

(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

☑ Not an immediate strategic priority

(3.1.3) Please explain

Due to the integration of the Diversey business, Solenis has not prioritized the assessment of risks in this area. Now the integration is complete the risk assessment can be carried out for the combined business.

Water

(3.1.1) Environmental risks identified

Select from:

☑ Yes, both in direct operations and upstream/downstream value chain

Plastics

(3.1.1) Environmental risks identified

Select from:

☑ No

(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

☑ Not an immediate strategic priority

(3.1.3) Please explain

Due to the integration of the Diversey business, Solenis has not prioritized the assessment of risks in this area. Now the integration is complete the risk assessment can be carried out for the combined business.
[Fixed row]

(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk2

(3.1.1.3) Risk types and primary environmental risk driver

Acute physical

☑ Cyclone, hurricane, typhoon

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ China

☑ Republic of Korea

☑ Taiwan, China

☑ United States of America

(3.1.1.9) Organization-specific description of risk

The impact of cyclones can include damage to facilities, disruption of supply chains, and significant operational downtime, which may result in increased costs and reduced production capacity.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Decreased asset value or asset useful life leading to write-offs, asset impairment or early retirement of existing assets

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Likely

(3.1.1.14) Magnitude

Select from:

☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Increased capital expenditure for cyclone-resistant infrastructure, potential disruptions to cash flows due to operational downtime

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ No

(3.1.1.26) Primary response to risk

Policies and plans

☑ Develop flood emergency plans

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

No calculation carried out on the response to this risk

(3.1.1.29) Description of response

investing in strengthening facility structures in cyclone-prone areas, developing business continuity plans, and improving supply chain resilience to minimize the operational and financial impacts of cyclones.

Water

(3.1.1.1) Risk identifier

Select from:

☑ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Chronic physical

☑ Water stress

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Peru
☑ India
☑ Spain
☑ Mexico
☑ Australia
☑ Indonesia
☑ South Africa

(3.1.1.7) River basin where the risk occurs

Select all that apply

☑ Brantas

☑ Limpopo

☑ Other, please specify :Australia East Coast, Australia West Coast, China Lake Tail Hu, Taan/Tachia, Java Timor, Lima Coast, Rio Lerma

(3.1.1.9) Organization-specific description of risk

Sites operating in water stressed areas may suffer from loss of water supply and inability to produce. Disruptions due to water shortages can lead to operational downtime, increased costs, and potential loss of market share.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Decreased revenues due to reduced production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Likely

(3.1.1.14) Magnitude

Select from:

☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Reduced profitability, potential capital expenditures to mitigate risks

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ No

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Adopt water efficiency, water reuse, recycling and conservation practices

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

No calculation carried out on the response to this risk

(3.1.1.29) Description of response

Reducing water withdrawal and improving wastewater systems by monitoring and preventing contaminations, utilizing efficient equipment, and reusing/recycling water. Water reduction targets have been set at a global level.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk3

(3.1.1.3) Risk types and primary environmental risk driver

Acute physical

☑ Heat wave

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Brazil

☑ Colombia

☑ Indonesia

☑ Mexico

☑ Peru

(3.1.1.9) Organization-specific description of risk

Reductions and increasing breaks for personnel to avoid heat-related illness. Indoor cooling may need to be improved to avoid unsafe working conditions. Warehouses, plants, and laboratories that have temperature sensitive manufacturing processes may need to increase cooling capacity

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased capital expenditures

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Likely

(3.1.1.14) Magnitude

Select from:
☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Increased capital expenditure to improve cooling and potential disruption to production

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:
☑ No

(3.1.1.26) Primary response to risk

Policies and plans
☑ Develop a climate transition plan

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

No calculation carried out on the response to this risk

(3.1.1.29) Description of response

Developing and implementing a climate transition plan to manage extreme heat

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk4

(3.1.1.3) Risk types and primary environmental risk driver

Acute physical

☑ Wildfires

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Brazil

☑ India

☑ South Africa

(3.1.1.9) Organization-specific description of risk

If a wildfire impacts a site, speedy evacuations are required, and equipment left behind could be destroyed or permanently damaged. Flammable chemicals can cause immense damage to the site and surrounding area by igniting.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Disruption in production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ About as likely as not

(3.1.1.14) Magnitude

Select from:

☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Potential loss of production capacity due to fire damage

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ No

(3.1.1.26) Primary response to risk

Policies and plans

☑ Develop a climate transition plan

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

No calculation carried out on the response to this risk

(3.1.1.29) Description of response

Developing and implementing a climate transition plan to manage risk of wildfires

Water

(3.1.1.1) Risk identifier

Select from:

☑ Risk5

(3.1.1.3) Risk types and primary environmental risk driver

Acute physical

☑ Flooding (coastal, fluvial, pluvial, groundwater)

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Finland

☑ France

☑ Indonesia

☑ United Kingdom of Great Britain and Northern Ireland

☑ United States of America

(3.1.1.7) River basin where the risk occurs

Select all that apply

☑ Loire

☑ Mississippi River

☑ Other, please specify :UK East Coast, Southern Finland, Tann/Tachia River, Jac-Timor, Lima Coast, Rio Lerma

(3.1.1.9) Organization-specific description of risk

Damage of manufacturing plants, products on site, equipment and vehicles associated with chemical manufacturing operations. Flooding may pose a health and safety risk to site personnel and/or lead to hazardous waste being released, causing further damage to infrastructure and surrounding ecology. Flooding may cause system-wide impacts, affecting key transportation routes or electrical outages.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Disruption in production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ More likely than not

(3.1.1.14) Magnitude

Select from:

☑ High

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Potential capital expenditures to mitigate risks

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:
☑ No

(3.1.1.26) Primary response to risk

Policies and plans
☑ Develop a climate transition plan

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

No calculation carried out on the response to this risk

(3.1.1.29) Description of response

Developing and implementing a climate transition plan to manage risk of flooding
[Add row]

(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.

Climate change

(3.1.2.1) Financial metric

Select from:

☑ Assets

(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

0

(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

☑ Less than 1%

(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

482000000

(3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

☑ 1-10%

(3.1.2.7) Explanation of financial figures

The physical risk calculation is based on the asset value of the location at risk. We are in the process of developing our transition risk financial metrics. We are committed to enhancing our financial quantification of these risks and will continue to refine our approach as more data becomes available and our methodologies evolve.

Water

(3.1.2.1) Financial metric

Select from:
☑ Assets

(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

0

(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:
☑ Less than 1%

(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

482000000

(3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:
☑ 1-10%

(3.1.2.7) Explanation of financial figures

The physical risk calculation is based on the asset value of the location at risk. We are in the process of developing our transition risk financial metrics. We are committed to enhancing our financial quantification of these risks and will continue to refine our approach as more data becomes available and our methodologies evolve.
[Add row]

(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?

Row 1

(3.2.1) Country/Area & River basin

United States of America

☑ Other, please specify :Ohio River Basin

(3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

☑ Direct operations

(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

2

(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

Select from:

☑ 1-25%

(3.2.10) % organization's total global revenue that could be affected

Select from:

☑ 1-10%

(3.2.11) Please explain

Based on our analysis, within the river basins where our facilities are located, we have identified that two facilities, Charleston and South Charleston, are exposed to substantive effects of water-related risks, specifically due to riverine flooding.
[Add row]

(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Comment
	Select from: ☑ No	*No fines for water related regulatory violations*

[Fixed row]

(3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Select from:
☑ Yes

(3.5.1) Select the carbon pricing regulation(s) which impact your operations.

Select all that apply
☑ UK ETS

(3.5.2) Provide details of each Emissions Trading Scheme (ETS) your organization is regulated by.

UK ETS

(3.5.2.1) % of Scope 1 emissions covered by the ETS

24

(3.5.2.2) % of Scope 2 emissions covered by the ETS

0

(3.5.2.3) Period start date

01/01/2023

(3.5.2.4) Period end date

12/31/2023

(3.5.2.5) Allowances allocated

24804

(3.5.2.6) Allowances purchased

25371

(3.5.2.7) Verified Scope 1 emissions in metric tons CO2e

50175

(3.5.2.8) Verified Scope 2 emissions in metric tons CO2e

0

(3.5.2.9) Details of ownership

Select from:

☑ Facilities we own and operate

(3.5.2.10) Comment

The Bradford site is covered by the UK ETS scheme
[Fixed row]

(3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Compliance with regulated carbon pricing systems is managed at a local site level with oversight from the global sustainability team. The cost of the carbon credits is built into the sites financial budgeting process. A global sustainability survey is held every year with the sites to identify changes to local regulations.

(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.6.1) Environmental opportunities identified

Select from:

☑ Yes, we have identified opportunities, and some/all are being realized

Forests

(3.6.1) Environmental opportunities identified

Select from:

☑ No

(3.6.2) Primary reason why your organization does not consider itself to have environmental opportunities

Select from:

☑ Not an immediate strategic priority

(3.6.3) Please explain

Due to the integration of the Diversey business, Solenis has not prioritized the assessment of opportunities in this area. Now the integration is complete the risk assessment can be carried out for the combined business.

Water

(3.6.1) Environmental opportunities identified

Select from:

☑ Yes, we have identified opportunities, and some/all are being realized

[Fixed row]

(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.6.1.1) Opportunity identifier

Select from:

☑ Opp1

(3.6.1.2) Commodity

Select all that apply

☑ Not applicable

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Products and services

☑ Development of new products or services through R&D and innovation

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☑ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☑ United States of America

(3.6.1.8) Organization specific description

Solenis is targeting 90% of its R&D programs to include a circularity focus by 2025. As these innovations are pursued, research may identify processes within Solenis' operations whose efficiency could be improved or which could utilize waste resources, which could reduce costs, enhance competitiveness of products, and help Solenis expand into new markets. Solenis products also have the potential to provide low-carbon water treatment solutions which reduce water, lower energy use, and minimize waste (e.g., through the development of compostable products, products that use recycled material or bio-based materials.

(3.6.1.9) Primary financial effect of the opportunity

Select from:

☑ Increased revenues resulting from increased demand for products and services

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

☑ Likely (66–100%)

(3.6.1.12) Magnitude

Select from:

☑ Medium

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Significant long-term revenue growth, increased market share, improved brand reputation

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☑ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

We have not quantified the amount and proportion of financial metrics aligned with the substantive effects of environmental opportunities for the reporting year. While we recognize the importance of identifying and quantifying financial impacts related to environmental opportunities, we are still in the process of developing the appropriate methodologies and data collection processes to assess these opportunities fully.

(3.6.1.26) Strategy to realize opportunity

investing in R&D for sustainable, climate resilient product development, expanding into new markets, and engaging with customers to promote its innovative solutions.

Water

(3.6.1.1) Opportunity identifier

Select from:

☑ Opp2

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Markets

☑ Expansion into new markets

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☑ Downstream value chain

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☑ United States of America

(3.6.1.6) River basin where the opportunity occurs

Select all that apply

☑ Unknown

(3.6.1.8) Organization specific description

Expansion into markets that demand water-efficient technologies presents a significant opportunity for Solenis to grow its customer base and increase its influence in the industry, particularly in regions facing water scarcity challenges. Solenis is targeting 90% of its R&D programs to include a circularity focus by 2025. As these innovations are pursued, research may identify processes within Solenis' operations whose efficiency could be improved or which could utilize waste resources, which could reduce costs, enhance competitiveness of products, and help Solenis expand into new markets. Solenis products also have the potential to provide low-carbon water treatment solutions which reduce water, lower energy use, and minimize waste (e.g., through the development of compostable products, products that use recycled material or bio-based materials.

(3.6.1.9) Primary financial effect of the opportunity

Select from:

☑ Increased revenues through access to new and emerging markets

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

☑ Likely (66–100%)

(3.6.1.12) Magnitude

Select from:

☑ Medium

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Significant long-term revenue growth, increased market share, improved brand reputation

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:
☑ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

We have not quantified the amount and proportion of financial metrics aligned with the substantive effects of environmental opportunities for the reporting year. While we recognize the importance of identifying and quantifying financial impacts related to environmental opportunities, we are still in the process of developing the appropriate methodologies and data collection processes to assess these opportunities fully.

(3.6.1.26) Strategy to realize opportunity

investing in R&D for sustainable, climate resilient product development, expanding into new markets, and engaging with customers to promote its innovative solutions.
[Add row]

(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities.

Climate change

(3.6.2.1) Financial metric

Select from:

☑ Other, please specify :We identified opportunities, but have not quantified

(3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

0

(3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☑ Less than 1%

(3.6.2.4) Explanation of financial figures

We have not quantified the amount and proportion of financial metrics aligned with the substantive effects of environmental opportunities for the reporting year. While we recognize the importance of identifying and quantifying financial impacts related to environmental opportunities, we are still in the process of developing the appropriate methodologies and data collection processes to assess these opportunities fully.

Water

(3.6.2.1) Financial metric

Select from:

☑ Other, please specify :We identified opportunities, but have not quantified

(3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

0

(3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☑ Less than 1%

(3.6.2.4) Explanation of financial figures

We have not quantified the amount and proportion of financial metrics aligned with the substantive effects of environmental opportunities for the reporting year. While we recognize the importance of identifying and quantifying financial impacts related to environmental opportunities, we are still in the process of developing the appropriate methodologies and data collection processes to assess these opportunities fully.
[Add row]

C4. Governance

(4.1) Does your organization have a board of directors or an equivalent governing body?

(4.1.1) Board of directors or equivalent governing body

Select from:

☑ Yes

(4.1.2) Frequency with which the board or equivalent meets

Select from:

☑ More frequently than quarterly

(4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

☑ Executive directors or equivalent

☑ Non-executive directors or equivalent

☑ Independent non-executive directors or equivalent

(4.1.4) Board diversity and inclusion policy

Select from:

☑ No

[Fixed row]

(4.1.1) Is there board-level oversight of environmental issues within your organization?

	Board-level oversight of this environmental issue
Climate change	*Select from:* ☑ Yes
Forests	*Select from:* ☑ Yes
Water	*Select from:* ☑ Yes
Biodiversity	*Select from:* ☑ Yes

[Fixed row]

(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.

Climate change

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

☑ Board Terms of Reference

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in every board meeting (standing agenda item)

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets

☑ Overseeing and guiding scenario analysis

☑ Overseeing the setting of corporate targets

☑ Monitoring progress towards corporate targets

☑ Approving corporate policies and/or commitments

☑ Overseeing and guiding the development of a business strategy

☑ Overseeing and guiding acquisitions, mergers, and divestitures

☑ Monitoring supplier compliance with organizational requirements

☑ Overseeing and guiding the development of a climate transition plan

☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

☑ Reviewing and guiding innovation/R&D priorities

☑ Overseeing and guiding major capital expenditures

☑ Monitoring the implementation of the business strategy

☑ Overseeing reporting, audit, and verification processes

☑ Monitoring the implementation of a climate transition plan

(4.1.2.7) Please explain

The primary duty of the Sustainability Committee is to assist the Board in its oversight of the Solenis ESGC strategy, including progress on targets, reporting efforts, organizational structure, budgeting, compliance with ESG regulations, and sustainable value creation in line with the Company's overall business strategy. The Committee has been entrusted by the Board to provide specialized focus, oversight and guidance on the following aspects relating to ESG: • Sustainability related strategic priorities and targets. • Social impact, employee wellbeing, DE&I • Impacts, risk and opportunity update — trends, strategic engagement options and targets • Non-financial, voluntary, and mandatory disclosure and assurance evolution •Sustainability trends in the financial sector • How to grow sales with a sustainability value proposition. The composition of the Sustainability Committee will be reviewed by the Board annually and changes made as needed. The Committee shall include at least one non-board member and at least five (5) total members

Forests

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ No

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in every board meeting (standing agenda item)

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets
☑ Overseeing and guiding scenario analysis
☑ Overseeing the setting of corporate targets
☑ Monitoring progress towards corporate targets
☑ Approving corporate policies and/or commitments
☑ Overseeing and guiding acquisitions, mergers, and divestitures
☑ Monitoring supplier compliance with organizational requirements
☑ Monitoring compliance with corporate policies and/or commitments
☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities
☑ Reviewing and guiding innovation/R&D priorities
☑ Overseeing and guiding major capital expenditures
☑ Monitoring the implementation of the business strategy
☑ Overseeing reporting, audit, and verification processes
☑ Overseeing and guiding the development of a business strategy

(4.1.2.7) Please explain

The primary duty of the Sustainability Committee is to assist the Board in its oversight of the Solenis ESGC strategy, including progress on targets, reporting efforts, organizational structure, budgeting, compliance with ESG regulations, and sustainable value creation in line with the Company's overall business strategy. The Committee has been entrusted by the Board to provide specialized focus, oversight and guidance on the following aspects relating to ESG: • Sustainability related strategic priorities and targets. • Social impact, employee wellbeing, DE&I • Impacts, risk and opportunity update — trends, strategic engagement options and targets

• Non-financial, voluntary, and mandatory disclosure and assurance evolution • Sustainability trends in the financial sector • How to grow sales with a sustainability value proposition. The composition of the Sustainability Committee will be reviewed by the Board annually and changes made as needed. The Committee shall include at least one non-board member and at least five (5) total members

Water

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

☑ Board Terms of Reference

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in every board meeting (standing agenda item)

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets
☑ Overseeing and guiding scenario analysis
☑ Overseeing the setting of corporate targets
☑ Monitoring progress towards corporate targets
☑ Approving corporate policies and/or commitments
☑ Reviewing and guiding innovation/R&D priorities
☑ Overseeing and guiding major capital expenditures
☑ Monitoring the implementation of the business strategy
☑ Overseeing reporting, audit, and verification processes
☑ Overseeing and guiding acquisitions, mergers, and divestitures

☑ Monitoring supplier compliance with organizational requirements

☑ Monitoring compliance with corporate policies and/or commitments

☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

The primary duty of the Sustainability Committee is to assist the Board in its oversight of the Solenis ESGC strategy, including progress on targets, reporting efforts, organizational structure, budgeting, compliance with ESG regulations, and sustainable value creation in line with the Company's overall business strategy. The Committee has been entrusted by the Board to provide specialized focus, oversight and guidance on the following aspects relating to ESG: • Sustainability related strategic priorities and targets. • Social impact, employee wellbeing, DE&I • Impacts, risk and opportunity update — trends, strategic engagement options and targets • Non-financial, voluntary, and mandatory disclosure and assurance evolution • Sustainability trends in the financial sector • How to grow sales with a sustainability value proposition. The composition of the Sustainability Committee will be reviewed by the Board annually and changes made as needed. The Committee shall include at least one non-board member and at least five (5) total members

Biodiversity

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ No

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in every board meeting (standing agenda item)

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets

☑ Overseeing and guiding major capital expenditures

☑ Overseeing and guiding scenario analysis
☑ Overseeing the setting of corporate targets
☑ Approving corporate policies and/or commitments
☑ Reviewing and guiding innovation/R&D priorities
☑ Monitoring compliance with corporate policies and/or commitments
☑ Monitoring the implementation of the business strategy
☑ Overseeing reporting, audit, and verification processes
☑ Overseeing and guiding acquisitions, mergers, and divestitures
☑ Monitoring supplier compliance with organizational requirements
☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

The primary duty of the Sustainability Committee is to assist the Board in its oversight of the Solenis ESGC strategy, including progress on targets, reporting efforts, organizational structure, budgeting, compliance with ESG regulations, and sustainable value creation in line with the Company's overall business strategy. The Committee has been entrusted by the Board to provide specialized focus, oversight and guidance on the following aspects relating to ESG: • Sustainability related strategic priorities and targets. • Social impact, employee wellbeing, DE&I • Impacts, risk and opportunity update — trends, strategic engagement options and targets • Non-financial, voluntary, and mandatory disclosure and assurance evolution • Sustainability trends in the financial sector • How to grow sales with a sustainability value proposition. The composition of the Sustainability Committee will be reviewed by the Board annually and changes made as needed. The Committee shall include at least one non-board member and at least five (5) total members
[Fixed row]

(4.2) Does your organization's board have competency on environmental issues?

Climate change

(4.2.1) Board-level competency on this environmental issue

Select from:
☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply
☑ Consulting regularly with an internal, permanent, subject-expert working group
☑ Engaging regularly with external stakeholders and experts on environmental issues
☑ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Experience

☑ Executive-level experience in a role focused on environmental issues

☑ Management-level experience in a role focused on environmental issues

Forests

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Consulting regularly with an internal, permanent, subject-expert working group

☑ Engaging regularly with external stakeholders and experts on environmental issues

☑ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Experience

☑ Executive-level experience in a role focused on environmental issues

☑ Management-level experience in a role focused on environmental issues

Water

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Consulting regularly with an internal, permanent, subject-expert working group

☑ Engaging regularly with external stakeholders and experts on environmental issues

☑ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Experience

☑ Executive-level experience in a role focused on environmental issues

☑ Management-level experience in a role focused on environmental issues

[Fixed row]

(4.3) Is there management-level responsibility for environmental issues within your organization?

	Management-level responsibility for this environmental issue
Climate change	*Select from:* ☑ Yes
Forests	*Select from:* ☑ Yes
Water	*Select from:* ☑ Yes
Biodiversity	*Select from:* ☑ Yes

[Fixed row]

(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).

Climate change

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Chief Sustainability Officer (CSO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement

☑ Managing public policy engagement related to environmental issues

☑ Managing supplier compliance with environmental requirements

☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☑ Measuring progress towards environmental corporate targets

☑ Measuring progress towards environmental science-based targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Developing a climate transition plan

☑ Implementing a climate transition plan
☑ Conducting environmental scenario analysis
☑ Managing annual budgets related to environmental issues
☑ Developing a business strategy which considers environmental issues
☑ Managing environmental reporting, audit, and verification processes
☑ Managing priorities related to innovation/low-environmental impact products or services (including R&D)

(4.3.1.4) Reporting line

Select from:
☑ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:
☑ Quarterly

(4.3.1.6) Please explain

The CSO reports to the Board Sustainability Committee on a quarterly basis. The CSO leads the sustainability core team that is made up of representatives from Human Resources, Legal, Finance, Business Development, Operations including environment, health and safety, Procurement, Communications and Investor Relations

Forests

(4.3.1.1) Position of individual or committee with responsibility

Executive level
☑ Chief Sustainability Officer (CSO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement

☑ Managing public policy engagement related to environmental issues

☑ Managing supplier compliance with environmental requirements

☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☑ Measuring progress towards environmental corporate targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Developing a climate transition plan

☑ Implementing a climate transition plan

☑ Conducting environmental scenario analysis

☑ Managing annual budgets related to environmental issues

☑ Implementing the business strategy related to environmental issues

☑ Developing a business strategy which considers environmental issues

☑ Managing environmental reporting, audit, and verification processes

☑ Managing priorities related to innovation/low-environmental impact products or services (including R&D)

(4.3.1.4) Reporting line

Select from:

☑ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☑ Quarterly

(4.3.1.6) Please explain

The CSO reports to the Board Sustainability Committee on a quarterly basis. The CSO leads the sustainability core team that is made up of representatives from Human Resources, Legal, Finance, Business Development, Operations including environment, health and safety, Procurement, Communications and Investor Relations

Water

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Chief Sustainability Officer (CSO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement

☑ Managing public policy engagement related to environmental issues

☑ Managing supplier compliance with environmental requirements

☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☑ Monitoring compliance with corporate environmental policies and/or commitments

☑ Measuring progress towards environmental corporate targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Developing a climate transition plan

☑ Implementing a climate transition plan

☑ Conducting environmental scenario analysis

☑ Managing annual budgets related to environmental issues

☑ Implementing the business strategy related to environmental issues

☑ Developing a business strategy which considers environmental issues

☑ Managing environmental reporting, audit, and verification processes

☑ Managing priorities related to innovation/low-environmental impact products or services (including R&D)

(4.3.1.4) Reporting line

Select from:

☑ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☑ Quarterly

(4.3.1.6) Please explain

The CSO reports to the Board Sustainability Committee on a quarterly basis. The CSO leads the sustainability core team that is made up of representatives from Human Resources, Legal, Finance, Business Development, Operations including environment, health and safety, Procurement, Communications and Investor Relations

Biodiversity

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Chief Sustainability Officer (CSO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement

☑ Managing public policy engagement related to environmental issues

☑ Managing supplier compliance with environmental requirements

☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☑ Monitoring compliance with corporate environmental policies and/or commitments

☑ Measuring progress towards environmental corporate targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Conducting environmental scenario analysis

☑ Managing annual budgets related to environmental issues

☑ Implementing the business strategy related to environmental issues

☑ Developing a business strategy which considers environmental issues

☑ Managing environmental reporting, audit, and verification processes

☑ Managing priorities related to innovation/low-environmental impact products or services (including R&D)

(4.3.1.4) Reporting line

Select from:

☑ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☑ Quarterly

(4.3.1.6) Please explain

The CSO reports to the Board Sustainability Committee on a quarterly basis. The CSO leads the sustainability core team that is made up of representatives from Human Resources, Legal, Finance, Business Development, Operations including environment, health and safety, Procurement, Communications and Investor Relations
[Add row]

(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

	Provision of monetary incentives related to this environmental issue	Please explain
Climate change	*Select from:* ☑ No, but we plan to introduce them in the next two years	*Monetary incentives are not yet provided for board members for environmental issues. A proposal for these incentives is being developed.*
Forests	*Select from:* ☑ No, but we plan to introduce them in the next two years	*Monetary incentives are not yet provided for board members for environmental issues. A proposal for these incentives is being developed.*
Water	*Select from:* ☑ No, but we plan to introduce them in the next two years	*Monetary incentives are not yet provided for board members for environmental issues. A proposal for these incentives is being developed.*

[Fixed row]

(4.6) Does your organization have an environmental policy that addresses environmental issues?

	Does your organization have any environmental policies?
	Select from: ☑ Yes

[Fixed row]

(4.6.1) Provide details of your environmental policies.

Row 1

(4.6.1.1) Environmental issues covered

Select all that apply

☑ Climate change

☑ Forests

☑ Water

☑ Biodiversity

(4.6.1.2) Level of coverage

Select from:

☑ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain
☑ Downstream value chain
☑ Portfolio

(4.6.1.4) Explain the coverage

This sustainability policy covers all Solenis businesses, subsidiaries, offices, warehouses, manufacturing facilities and operations globally

(4.6.1.5) Environmental policy content

Environmental commitments

☑ Commitment to comply with regulations and mandatory standards
☑ Commitment to respect legally designated protected areas
☑ Commitment to stakeholder engagement and capacity building on environmental issues

Water-specific commitments

☑ Commitment to control/reduce/eliminate water pollution
☑ Commitment to reduce water withdrawal volumes

Social commitments

☑ Commitment to promote gender equality and women's empowerment
☑ Commitment to respect internationally recognized human rights

Additional references/Descriptions

☑ Description of dependencies on natural resources and ecosystems
☑ Description of impacts on natural resources and ecosystems
☑ Description of environmental requirements for procurement
☑ Description of grievance/whistleblower mechanism to monitor non-compliance with the environmental policy and raise/address/escalate any other greenwashing concerns

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☑ No, but we plan to align in the next two years

(4.6.1.7) Public availability

Select from:
☑ Publicly available

(4.6.1.8) Attach the policy

sustainability-v01 (1).pdf

Row 2

(4.6.1.1) Environmental issues covered

Select all that apply
☑ Climate change

(4.6.1.2) Level of coverage

Select from:
☑ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply
☑ Direct operations

(4.6.1.4) Explain the coverage

This Human Rights policy covers all Solenis businesses, subsidiaries, offices, warehouses, manufacturing facilities and operations globally

(4.6.1.5) Environmental policy content

Environmental commitments

☑ Commitment to comply with regulations and mandatory standards

Social commitments

☑ Adoption of the UN International Labour Organization principles

☑ Commitment to promote gender equality and women's empowerment

☑ Commitment to respect internationally recognized human rights

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☑ Yes, in line with another global environmental treaty or policy goal, please specify

(4.6.1.7) Public availability

Select from:

☑ Publicly available

(4.6.1.8) Attach the policy

human-rights-v1 (1).pdf

Row 3

(4.6.1.1) Environmental issues covered

Select all that apply

☑ Forests

☑ Biodiversity

(4.6.1.2) Level of coverage

Select from:

☑ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain

☑ Downstream value chain

☑ Portfolio

(4.6.1.4) Explain the coverage

This Deforestation and Biodiversity policy covers all Solenis businesses, subsidiaries, offices, warehouses, manufacturing facilities and operations globally

(4.6.1.5) Environmental policy content

Environmental commitments

☑ Commitment to avoidance of negative impacts on threatened and protected species

☑ Commitment to respect legally designated protected areas

☑ Commitment to stakeholder engagement and capacity building on environmental issues

Additional references/Descriptions

☑ Description of commodities covered by the policy

☑ Description of environmental requirements for procurement

☑ Description of grievance/whistleblower mechanism to monitor non-compliance with the environmental policy and raise/address/escalate any other greenwashing concerns

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☑ No, but we plan to align in the next two years

(4.6.1.7) Public availability

Select from:

☑ Publicly available

(4.6.1.8) Attach the policy

deforestation-and-biodiversity.pdf
[Add row]

(4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

(4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

☑ Yes

(4.10.2) Collaborative framework or initiative

Select all that apply

☑ CEO Water Mandate

☑ UN Global Compact

☑ Water Action Hub (by CEO Water Mandate)

☑ Roundtable on Sustainable Palm Oil (RSPO)

☑ Science-Based Targets Initiative (SBTi)

☑ Ellen MacArthur Foundation Global Commitment

(4.10.3) Describe your organization's role within each framework or initiative

CEO Water Mandate - Signatory under call for water, RSPO Members, SBTi Cimitted to set science based targets, UN Global compact, member and report every year, Water Action Hub, - Member and reporting
[Fixed row]

(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?

(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

☑ Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals

Select from:

☑ Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

(4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement

Select all that apply

☑ Paris Agreement

☑ Sustainable Development Goal 6 on Clean Water and Sanitation

(4.11.4) Attach commitment or position statement

230064-pc-2023sustainabilityreportwb.pdf

(4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

☑ No

(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

A sustainability core team is place which is chaired by the Chief Sustainability Officer and is made up of senior managers representing key parts of the business, including legal, human resources, supply chain, procurement, finance and communications. This team meets weekly and reviews all sustainability related policies and commitments.

[Fixed row]

(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.

Row 1

(4.11.2.1) Type of indirect engagement

Select from:

☑ Indirect engagement via a trade association

(4.11.2.4) Trade association

Europe

☑ Other trade association in Europe, please specify :European Chemical Industry Council (CEFIC)

(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position

Select all that apply

☑ Climate change

(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with

Select from:

☑ Consistent

(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year

Select from:

☑ No, we did not attempt to influence their position

(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position

The CIA Commit to growing and simplifying program that enable net zero action, such as the Industrial Energy Transformation Fund (IETF). In particular there should be more stability in funding schemes with less tendency to regularly change methodology. A large part of our Scope 1 emissions is in the UK due to our Bradford and Grimsby polyacrylamide operations. Shared best practice and access to funding schemes is an important part of our decarbonization plans.

(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals

Select from:

☑ Yes, we have evaluated, and it is aligned

(4.11.2.12) Global environmental treaties or policy goals aligned with your organization's engagement on policy, law or regulation

Select all that apply

☑ Paris Agreement

Row 2

(4.11.2.1) Type of indirect engagement

Select from:

☑ Indirect engagement via a trade association

(4.11.2.4) Trade association

North America

☑ American Chemistry Council

(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position

Select all that apply

☑ Climate change

(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with

Select from:

☑ Consistent

(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year

Select from:

☑ No, we did not attempt to influence their position

(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position

America's chemical industry is committed to developing and deploying clean manufacturing technologies and promoting the adoption of emissions-reducing solutions.

(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals

Select from:

☑ Yes, we have evaluated, and it is aligned

(4.11.2.12) Global environmental treaties or policy goals aligned with your organization's engagement on policy, law or regulation

Select all that apply

☑ Paris Agreement

[Add row]

(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?

Select from:
☑ Yes

(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.

Row 1

(4.12.1.1) Publication

Select from:
☑ In voluntary sustainability reports

(4.12.1.3) Environmental issues covered in publication

Select all that apply
☑ Climate change
☑ Water
☑ Biodiversity

(4.12.1.4) Status of the publication

Select from:
☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Strategy
☑ Emission targets
☑ Emissions figures
☑ Value chain engagement
☑ Biodiversity indicators
☑ Water accounting figures

(4.12.1.6) Page/section reference

Section 2 - Protecting our Planet

(4.12.1.7) Attach the relevant publication

230064-pc-2023sustainabilityreportwb.pdf

(4.12.1.8) Comment

The sustainability report is published on our website: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/230064-pc-2023sustainabilityreportwb.pdf

Row 2

(4.12.1.1) Publication

Select from:
☑ In mainstream reports, in line with environmental disclosure standards or frameworks

(4.12.1.2) Standard or framework the report is in line with

Select all that apply
☑ TCFD

(4.12.1.3) Environmental issues covered in publication

Select all that apply
☑ Climate change

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Dependencies & Impacts

☑ Risks & Opportunities

(4.12.1.6) Page/section reference

Whole document

(4.12.1.7) Attach the relevant publication

climate-risk-and-opportunity-index-2023 (1).pdf

(4.12.1.8) Comment

Our Climate Risk and Opportunity Index is published on our website: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/climate-risk-and-opportunity-index-2023.pdf
[Add row]

C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

Climate change

(5.1.1) Use of scenario analysis

Select from:

☑ Yes

(5.1.2) Frequency of analysis

Select from:

☑ First time carrying out analysis

Forests

(5.1.1) Use of scenario analysis

Select from:

☑ No, and we do not plan to within the next two years

(5.1.3) Primary reason why your organization has not used scenario analysis

Select from:

☑ Not an immediate strategic priority

(5.1.4) Explain why your organization has not used scenario analysis

Due to the integration of the Diversey business, Solenis has not prioritized analysis in this area. Now the integration is complete the risk assessment can be carried out for the combined business.

Water

(5.1.1) Use of scenario analysis

Select from:

☑ Yes

(5.1.2) Frequency of analysis

Select from:

☑ First time carrying out analysis

[Fixed row]

(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.

Climate change

(5.1.1.1) Scenario used

Climate transition scenarios

☑ IEA NZE 2050

(5.1.1.3) Approach to scenario

Select from:

☑ Qualitative and quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Organization-wide

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Policy
☑ Market
☑ Liability
☑ Reputation
☑ Technology
☑ Acute physical
☑ Chronic physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 1.5°C or lower

(5.1.1.7) Reference year

2023

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2030
☑ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The assessments are based on high level screening assessments based on the location of the assets. Further assessment is being carried out using local knowledge to validate the screening assessments

(5.1.1.11) Rationale for choice of scenario

The Solenis transition risk analysis assessed risk and opportunity based on the International Energy Agency (IEA), World Energy Outlook (2023) Stated Policy (STEPs), and Net Zero (NZE) scenarios for current, 2030, and 2050 timeframes. These scenarios were chosen to represent a wider range of possibilities to account for future uncertainty as well as the ambition to align with a 1.5 degree C by 2100 temperature threshold.

Water

(5.1.1.1) Scenario used

Water scenarios

☑ WRI Aqueduct

(5.1.1.3) Approach to scenario

Select from:

☑ Quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Facility

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Acute physical

☑ Chronic physical

(5.1.1.7) Reference year

2019

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2030

☑ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The assessments are based on high level screening assessments based on the location of the assets. Further assessment is being carried out using local knowledge to validate the screening assessments

(5.1.1.11) Rationale for choice of scenario

WRI optimistic and business as usual scenarios were used so the results are in line with the chosen climate change scenarios

Climate change

(5.1.1.1) Scenario used

Climate transition scenarios

☑ IEA STEPS (previously IEA NPS)

(5.1.1.3) Approach to scenario

Select from:

☑ Quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Organization-wide

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Policy
☑ Market
☑ Liability
☑ Reputation
☑ Technology
☑ Acute physical
☑ Chronic physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 2.0ºC - 2.4ºC

(5.1.1.7) Reference year

2023

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2030
☑ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The assessments are based on high level screening assessments based on the location of the assets. Further assessment is being carried out using local knowledge to validate the screening assessments

(5.1.1.11) Rationale for choice of scenario

The Solenis transition risk analysis assessed risk and opportunity based on the International Energy Agency (IEA), World Energy Outlook (2023) Stated Policy (STEPs), and Net Zero (NZE) scenarios for current, 2030, and 2050 timeframes. These scenarios were chosen to represent a wider range of possibilities to account for future uncertainty as well as the ambition to align with a 1.5 degree C by 2100 temperature threshold.
[Add row]

(5.1.2) Provide details of the outcomes of your organization's scenario analysis.

Climate change

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Risk and opportunities identification, assessment and management

(5.1.2.2) Coverage of analysis

Select from:

☑ Organization-wide

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

The physical climate analysis identified potential climate-related risks arising from both acute and chronic hazards: water stress, flooding, cyclones, extreme heat and cold, wildfires, extreme rainfall, and landslides. Climate change may affect Solenis' physical assets, present a potential health and safety risk to employees, and impact suppliers as well as transportation and distribution networks. Climate events may also increase the risk of possible operational delays and increase demand for more resilient infrastructure. By identifying these climate risks, Solenis has the opportunity to enhance its risk management measures and incorporate them into business strategy. The transition climate analysis identified potential climate-related risks arising from policy, technology, market, and reputation. Emerging energy transition risks may be lower in the near term but could increase over time through 2050 in a lower carbon future with greater pressures to reduce emissions and energy consumption. Policy and legal risks were found to be minimal or moderate, even under more ambitious net zero scenarios with the potential maximum cost of all Scope 1 and 2 emissions at around 2% of revenues. Technology risks may arise from the rapid decarbonization of the chemical sector, which could require the need to increase research and development (R&D) spending. Rapid decarbonization could also reduce the demand for certain types of higher carbon products. Reputationally, the sector could face greater stigmatization and pressure from consumers and stakeholders to transition to low-carbon, and more water-efficient, sustainable alternatives. Solenis also stands to potentially gain from the transition to a low-carbon economy. There are potential expansion opportunities for Solenis in a low carbon future that are available beginning in the near term, and which could expand over time. Potential opportunities include those in resource efficiency, energy source, products and services, and markets. Solenis is targeting 90% of its R&D programs to include a circularity focus by 2025. As these innovations are

pursued, research may identify processes within Solenis' operations whose efficiency could be improved or which could utilize waste resources, which could reduce costs, enhance competitiveness of products, and help Solenis expand into new markets. Given that Solenis is involved in high emissions sectors, it also stands to gain from public incentives which encourage less carbon-intensive technologies (e.g., producer tax credits for more efficient boiler systems, EU solar installation incentives). The climate-related risks and opportunities associated with the transition to a low-carbon economy have impacted Solenis' climate strategy in that it is focused on reducing operational energy consumption and greenhouse gas (GHG) emissions. These reductions are achieved through a three-pronged approach: operational and upstream decarbonization, site-level energy and GHG reduction, and sustainable R&D and customer programs. Initiatives to decarbonize Solenis' operations and supply chain include partnering with East Coast Hydrogen to conduct feasibility studies related to the potential supply of hydrogen for use in power generation, as well as the partnership with Vital Energi, under which the contractor will upgrade the existing combined heat and power system and install two new efficient steam boilers and a new control system to ensure efficient and reliable energy generation. Examples of site-level decarbonization and energy reduction initiatives include conducting steam trap repairs, boiler burner adjustments and replacements, other process optimization initiatives, installing LED lighting throughout the Solenis' manufacturing network, forklift truck switch outs from diesel to electric, and installing a new heat pump at the Krefeld plant.

Water

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Risk and opportunities identification, assessment and management

(5.1.2.2) Coverage of analysis

Select from:

☑ Organization-wide

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

The physical climate analysis identified potential climate-related risks arising from both acute and chronic hazards: water stress, flooding, cyclones, extreme heat and cold, wildfires, extreme rainfall, and landslides. Climate change may affect Solenis' physical assets, present a potential health and safety risk to employees, and impact suppliers as well as transportation and distribution networks. For example, water availability directly impacts production, supply chain management, and overall business sustainability. Water shortages or restrictions could disrupt manufacturing operations. Interruptions in water supply may result in production slowdowns, downtime, and increased operational costs. Flooding, cyclones, extreme rainfall, and landslides can pose a health and safety risk to employees, as well as a potential risk to business continuity, asset damage, products on-site, equipment, vehicles associated with Solenis assets, and contamination from hazardous waste incidents at the site level. By identifying these risks, Solenis has the opportunity to enhance its risk management measures and incorporate them into business strategy. Across locations, the top hazard in the present timeframe is water stress. A deeper dive analysis was conducted on 8 of Solenis' most financially material sites. These sites have either minimal or low asset risk scores, but five out of the eight sites have individual hazards identified as high or very high risk, with the main hazard being riverine flooding. Solenis products also have the potential to provide low-carbon water treatment solutions which reduce water, lower energy use, and minimize waste. Solenis has also prioritized R&D platforms that support the transition to a low-carbon and water-efficient economy. These platforms include the

following: water conservation and efforts to reduce, reuse, and recycle water; monitoring and control equipment that feed the right amount at the right time to minimize waste, improve quality, and reduce energy consumption.
[Fixed row]

(5.2) Does your organization's strategy include a climate transition plan?

(5.2.1) Transition plan

Select from:

☑ No, but we are developing a climate transition plan within the next two years

(5.2.15) Primary reason for not having a climate transition plan that aligns with a 1.5°C world

Select from:

☑ Other, please specify **:**Solenis completed the significant acquisition of the Diversey business in 2023 and has been focusing on the integration. This integration has included recalculating the

(5.2.16) Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world

Solenis completed the significant acquisition of the Diversey business in 2023. At the same time Solenis also committed to setting Science Based targets through the Science Based Targets Initiative. The focus in 2023 has been on integrating the two business and consolidating the environmental performance data. This data is now being used to develop the climate transition plan for the combined business.
[Fixed row]

(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

Select from:

☑ We have not evaluated whether environmental risks and opportunities have affected our strategy and financial planning, but plan to do so within the next two years

(5.3.3) Primary reason why environmental risks and/or opportunities have not affected your strategy and/or financial planning

Select from:

☑ Other, please specify :Acquisition of large business

(5.3.4) Explain why environmental risks and/or opportunities have not affected your strategy and/or financial planning

Solenis completed the significant acquisition of the Diversey business in 2023. At the same time Solenis also committed to setting Science Based targets through the Science Based Targets Initiative. The focus in 2023 has been on integrating the two business and consolidating the environmental performance data. This data is now being used to develop the climate transition plan for the combined business.
[Fixed row]

(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition
	Select from: ☑ No, but we plan to in the next two years

[Fixed row]

(5.5) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

(5.5.1) Investment in low-carbon R&D

Select from:

☑ Yes

(5.5.2) Comment

Solenis R&D is focused on providing our customers with products and services that improve energy and water efficiency. Our target is that by 2025 greater than 90% of new innovation projects will have a sustainability focus. Please refer to our sustainability report for more details (https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/230064-pc-2023sustainabilityreportwb.pdf)
[Fixed row]

(5.5.3) Provide details of your organization's investments in low-carbon R&D for chemical production activities over the last three years.

Row 1

(5.5.3.1) Technology area

Select from:

☑ Other, please specify :Chemicals for energy efficiency

(5.5.3.2) Stage of development in the reporting year

Select from:

☑ Large scale commercial deployment

(5.5.3.3) Average % of total R&D investment over the last 3 years

33

(5.5.3.4) R&D investment figure in the reporting year (unit currency as selected in 1.2) (optional)

98000000

(5.5.3.5) Average % of total R&D investment planned over the next 5 years

45

(5.5.3.6) Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

We are continually investing in R&D to develop new products and improve our existing products. Our vision is to unlock the potential of water and renewable resources to build a safer, healthier, more sustainable world and our mission is to be a trusted partner by anticipating challenges and solving problems with the right people, the right experience and the right technology. Our innovative solutions build a better world by creating value, reducing waste, and promoting healthy living. At Solenis, we focus on providing solutions and services that allow our customers to reduce their environmental "footprint"
[Add row]

(5.9) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

(5.9.1) Water-related CAPEX (+/- % change)

5

(5.9.2) Anticipated forward trend for CAPEX (+/- % change)

5

(5.9.3) Water-related OPEX (+/- % change)

5

(5.9.4) Anticipated forward trend for OPEX (+/- % change)

5

(5.9.5) Please explain

Solenis has set individual site targets for water intensity reduction. This is driving investment and water reduction initiatives.

[Fixed row]

(5.10) Does your organization use an internal price on environmental externalities?

(5.10.1) Use of internal pricing of environmental externalities

Select from:

☑ No, but we plan to in the next two years

(5.10.3) Primary reason for not pricing environmental externalities

Select from:

☑ No standardized procedure

(5.10.4) Explain why your organization does not price environmental externalities

Solenis recognizes the benefits of having an internal water and carbon pricing mechanism and is currently carrying out a study to determine the most appropriate carbon pricing mechanism to use.
[Fixed row]

(5.11) Do you engage with your value chain on environmental issues?

Suppliers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Climate change

☑ Forests
☑ Water
☑ Plastics

Smallholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:
☑ No, and we do not plan to within the next two years

(5.11.3) Primary reason for not engaging with this stakeholder on environmental issues

Select from:
☑ Judged to be unimportant or not relevant

(5.11.4) Explain why you do not engage with this stakeholder on environmental issues

We do not engage directly with small holders.

Customers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:
☑ Yes

(5.11.2) Environmental issues covered

Select all that apply
☑ Climate change
☑ Forests
☑ Water
☑ Plastics

Investors and shareholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Climate change

☑ Forests

☑ Water

☑ Plastics

Other value chain stakeholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Water

[Fixed row]

(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

	Assessment of supplier dependencies and/or impacts on the environment
Climate change	*Select from:* ☑ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Forests	*Select from:* ☑ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Water	*Select from:* ☑ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Plastics	*Select from:* ☑ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years

[Fixed row]

(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

Climate change

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☑ No, we do not prioritize which suppliers to engage with on this environmental issue

(5.11.2.3) Primary reason for no supplier prioritization on this environmental issue

Select from:

☑ We engage with all suppliers

(5.11.2.4) Please explain

Engaging with all suppliers is important to us

Forests

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:
☑ No, we do not prioritize which suppliers to engage with on this environmental issue

(5.11.2.3) Primary reason for no supplier prioritization on this environmental issue

Select from:
☑ We engage with all suppliers

(5.11.2.4) Please explain

Engaging with all suppliers is important to us

Water

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:
☑ No, we do not prioritize which suppliers to engage with on this environmental issue

(5.11.2.3) Primary reason for no supplier prioritization on this environmental issue

Select from:
☑ We engage with all suppliers

(5.11.2.4) Please explain

Engaging with all suppliers is important to us

Plastics

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☑ No, we do not prioritize which suppliers to engage with on this environmental issue

(5.11.2.3) Primary reason for no supplier prioritization on this environmental issue

Select from:

☑ We engage with all suppliers

(5.11.2.4) Please explain

Engaging with all suppliers is important to us
[Fixed row]

(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

Climate change

(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:

☑ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

(5.11.5.2) Policy in place for addressing supplier non-compliance

Select from:

☑ Yes, we have a policy in place for addressing non-compliance

(5.11.5.3) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.

Forests

(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:

☑ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

(5.11.5.2) Policy in place for addressing supplier non-compliance

Select from:

☑ Yes, we have a policy in place for addressing non-compliance

(5.11.5.3) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.

Water

(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:

☑ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

(5.11.5.2) Policy in place for addressing supplier non-compliance

Select from:

☑ Yes, we have a policy in place for addressing non-compliance

(5.11.5.3) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.
[Fixed row]

(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Climate change

(5.11.6.1) Environmental requirement

Select from:

☑ Environmental disclosure through a non-public platform

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☑ Certification

☑ Supplier scorecard or rating

☑ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:
☑ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:
☑ 76-99%

(5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:
☑ None

(5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement

Select from:
☑ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:
☑ Suspend and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:
☑ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply
☑ Re-integrating suppliers back into upstream value chain based on the successful and verifiable completion of activities

(5.11.6.12) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.

Forests

(5.11.6.1) Environmental requirement

Select from:

☑ Environmental disclosure through a non-public platform

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☑ Certification

☑ Supplier scorecard or rating

☑ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☑ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

☑ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

☑ Suspend and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:

☑ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

☑ Re-integrating suppliers back into upstream value chain based on the successful and verifiable completion of activities

(5.11.6.12) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.

Water

(5.11.6.1) Environmental requirement

Select from:

☑ Environmental disclosure through a non-public platform

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☑ Certification

☑ Supplier scorecard or rating

☑ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:
☑ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:
☑ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:
☑ Suspend and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:
☑ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply
☑ Re-integrating suppliers back into upstream value chain based on the successful and verifiable completion of activities

(5.11.6.12) Comment

Requirements are covered in the Sustainable Procurement of Raw materials policy: Supplier requirements are outlined in the Sustainable Procurement of Raw Materials policy: https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/sustainable-procurement-of-raw-materials.pdf Should Solenis determine a supplier no longer subscribes to sustainability principles, Solenis will inform the supplier in writing of the decision that it is no longer an approved source for Solenis. The supplier will be provided the opportunity to correct and / or demonstrate its adherence to sustainability principles and retain its approved supplier status.
[Add row]

(5.11.7) Provide further details of your organization’s supplier engagement on environmental issues.

Climate change

(5.11.7.2) Action driven by supplier engagement

Select from:
☑ No other supplier engagement

Forests

(5.11.7.1) Commodity

Select from:
☑ Palm oil

(5.11.7.2) Action driven by supplier engagement

Select from:
☑ No other supplier engagement

Water

(5.11.7.2) Action driven by supplier engagement

Select from:
☑ No other supplier engagement

Plastics

(5.11.7.2) Action driven by supplier engagement

Select from:
☑ No other supplier engagement
[Add row]

(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

Climate change

(5.11.9.1) Type of stakeholder

Select from:

☑ Customers

(5.11.9.2) Type and details of engagement

Innovation and collaboration

☑ Collaborate with stakeholders on innovations to reduce environmental impacts in products and services

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ 76-99%

(5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

☑ Unknown

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

Solenis has a target that by 2030, 90% of revenue will come from supporting customers sustainability goals. We engage with our customers on energy and water uses to develop the best technology for them to achieve their goals.

(5.11.9.6) Effect of engagement and measures of success

We estimate that 85% of our revenue supported customers sustainability goals in 2023

Forests

(5.11.9.1) Type of stakeholder

Select from:

☑ Customers

(5.11.9.2) Type and details of engagement

Education/Information sharing

☑ Share information about your products and relevant certification schemes

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ Unknown

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

Solenis shares information on it products with its customers

(5.11.9.6) Effect of engagement and measures of success

Unknown

Water

(5.11.9.1) Type of stakeholder

Select from:

☑ Customers

(5.11.9.2) Type and details of engagement

Innovation and collaboration

☑ Run a campaign to encourage innovation to reduce environmental impacts

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ 76-99%

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

Solenis has a target that by 2030, 90% of revenue will come from supporting customers sustainability goals. We engage with our customers on energy and water uses to develop the best technology for them to achieve their goals.

(5.11.9.6) Effect of engagement and measures of success

We estimate that 85% of our revenue supported customers sustainability goals in 2023
[Add row]

(5.13) Has your organization already implemented any mutually beneficial environmental initiatives due to CDP Supply Chain member engagement?

(5.13.1) Environmental initiatives implemented due to CDP Supply Chain member engagement

Select from:

☑ No, but we plan to within the next two years

(5.13.2) Primary reason for not implementing environmental initiatives

Select from:

☑ Not an immediate strategic priority

(5.13.3) Explain why your organization has not implemented any environmental initiatives

In 2023 Solenis completed the acquisition of the Diversey business. This is significant acquisition and the priority has been on integrating the businesses.
[Fixed row]

C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

	Consolidation approach used	Provide the rationale for the choice of consolidation approach
Climate change	*Select from:* ☑ Operational control	*Operational control fits well with the company structure with activities under operational control clearly identifiable.*
Forests	*Select from:* ☑ Operational control	*Operational control fits well with the company structure with activities under operational control clearly identifiable.*
Water	*Select from:* ☑ Operational control	*Operational control fits well with the company structure with activities under operational control clearly identifiable.*
Plastics	*Select from:* ☑ Operational control	*Operational control fits well with the company structure with activities under operational control clearly identifiable.*
Biodiversity	*Select from:* ☑ Operational control	*Operational control fits well with the company structure with activities under operational control clearly identifiable.*

[Fixed row]

C7. Environmental performance - Climate Change

(7.1) Is this your first year of reporting emissions data to CDP?

Select from:
☑ No

(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

(7.1.1.1) Has there been a structural change?

Select all that apply
☑ Yes, an acquisition

(7.1.1.2) Name of organization(s) acquired, divested from, or merged with

Diversey, Clearon Corporation

(7.1.1.3) Details of structural change(s), including completion dates

Clearon Corporation was acquired on 9 September 2022 and Diversey was acquired on 10 February 2022. Both organizations have a significant impact on emissions. The reported emissions for FY2023 include the total emissions of Clearon and Diversey
[Fixed row]

(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?
	Select all that apply ☑ No

[Fixed row]

(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?

	Base year recalculation	Base year emissions recalculation policy, including significance threshold	Past years' recalculation
	Select from: ☑ No, because we do not have the data yet and plan to recalculate next year	*The acquisitions are significant as they lead to a 15% increase in Scope 1&2 emissions*	*Select from:* ☑ No

[Fixed row]

(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Select all that apply

☑ The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

☑ The Greenhouse Gas Protocol: Scope 2 Guidance

☑ The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Standard

(7.3) Describe your organization's approach to reporting Scope 2 emissions.

	Scope 2, location-based	Scope 2, market-based	Comment
	Select from: ☑ We are reporting a Scope 2, location-based figure	*Select from:* ☑ We are reporting a Scope 2, market-based figure	.

[Fixed row]

(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Select from:
☑ No

(7.5) Provide your base year and base year emissions.

Scope 1

(7.5.1) Base year end

09/30/2018

(7.5.2) Base year emissions (metric tons CO2e)

169914

(7.5.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Scope 2 (location-based)

(7.5.1) Base year end

09/30/2018

(7.5.2) Base year emissions (metric tons CO2e)

131595.0

(7.5.3) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. The activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Scope 2 (market-based)

(7.5.1) Base year end

09/30/2018

(7.5.2) Base year emissions (metric tons CO2e)

135929.0

(7.5.3) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. The activity data is combined with country specific residual emission factors where renewable contracts are not in place. For contries where residual emission factors are not available then the location based emissions factors are used. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Scope 3 category 1: Purchased goods and services

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

2406964.0

(7.5.3) Methodological details

Where secondary emission factors are available, from sources such as Ecoinvent, these are multiplied by the respective global chemical volume purchased in the financial year. This accounts for 85% of the calculated emissions. The remaining 15% of the emissions are calculated on a spend basis using emission factors from US EPA Supply Chain GHG Emission Factors for US Commodities and Industries. Spending for items such as travel, waste, utilities, and logistics has been excluded from this category to avoid double counting with other Scope 3 categories. The spend data is extracted from our SAP system monthly. This means that some transaction reversals may not be included in the spend file resulting in a small overstatement of emissions

Scope 3 category 2: Capital goods

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

30521.0

(7.5.3) Methodological details

The capital spend in the financial year is mapped to the commodity types in the US EPA Supply Chain GHG Emission Factors for US Commodities and Industries. The spend for each category is then multiplied by the respective emission factor.

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

67647.0

(7.5.3) Methodological details

Activity data from our total energy use is multiplied by country specific emission factors published by UK DEFRA, AIB and US EPA eGrid.

Scope 3 category 4: Upstream transportation and distribution

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

675.0

(7.5.3) Methodological details

The methodology for this category is the same as category 9. Logistics data is filtered for upstream shipments using the incoterms for the shipment. Where information on the shipment load, distance and mode are available from the transport providers then the emissions are calculated using this activity data and emission factors from the US EPA Emissions Factors Hub. 10% of emissions in this category are calculated using this method. Where the start and end point of the delivery is known, the geodesic distance between the points is calculated and adjusted to reflect actual transport distance by applying a non-linear adjustment factor of 1.2. This distance is combined with the shipment weight and emission factors from the US EPA Emissions Factors Hub. 30% of the emissions in this category are calculated using this method. The remaining 60%, where location data was not available, are spend based using US EPA Supply Chain GHG Emission Factors for US Commodities and Industries

Scope 3 category 5: Waste generated in operations

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

12077.0

(7.5.3) Methodological details

Activity data from waste produced by each manufacturing site globally was multiplied by waste specific emission factors from US EPA Emissions Factors Hub, table 9.

Scope 3 category 6: Business travel

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

3342.0

(7.5.3) Methodological details

This category covers all travel managed through the Solenis travel and expense systems. This includes travel of non Solenis employees where Solenis have arranged and paid for the travel. For air travel, distance and cabin class data for each is provided by our business travel partner, Egencia. This data is combined with emission factors published by DEFRA to calculate the emissions. For rail travel, emissions data is provided directly by our travel partner Egencia. Egencia use a combination of DEFRA emission factors and factors provided by the rail operating companies. Emissions from hotel stays are calculated using nights and rooms stayed data our internal travel expenses system. This is combined with country specific emission factors from DEFRA. Where data gaps exist in emission factors for a specific country, emission factors from hotelfootprints.org are used. For taxi journeys emissions are calculated using spend data from the travel expenses system. Average taxi fare information is used to calculate the distance travelled for each transaction and then combined with emission factors for passenger cars from US EPA Emissions Factors Hub, table 10. Business journeys made by our employees using their personal vehicles, with the fuel use claimed back through the expense system, are additionally calculated. Data from the internal expense system is used together with average fuel cost data to calculate the amount of fuel used by journey. Emission factors for US EPA Emissions Factors Hub are used to calculate the fuel emissions. For this calculation, it is assumed that all personal vehicles are solely fueled by gasoline. Emissions from our fleet of leased vehicles are not included in Scope 3 Category 6 but are fully allocated in our Scope 1 calculation.

Scope 3 category 7: Employee commuting

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

7375.0

(7.5.3) Methodological details

The employee commuting behavior of the Solenis facility based workforce totalling 4701 employees is covered in this category. Non-facility-based employees, totaling 2087, are considered as working remotely and are excluded from the calculation. Employee commuting emissions are calculated using the distance from the employee home zip code to their facility location. Based on company policies the assumption is made that manufacturing site workers commute 4 times per week and all other employees commute 3 times per week. An average number of working weeks of 46 per year is used in the calculation. Transport mode is calculated using statistical data for each region. The data on transport mode and distance is combined with emission factors from US EPA Emissions Factors Hub, table 10.

Scope 3 category 8: Upstream leased assets

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

7706.0

(7.5.3) Methodological details

Floor area and building type data for all our leased assets is reviewed and combined with intensity data from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS). The resulting energy use is used to calculate emissions using emissions factors from U.S. EPA eGRID for electricity and US EPA Emissions Factors Hub, table 1, for natural gas

Scope 3 category 9: Downstream transportation and distribution

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

244822.0

(7.5.3) Methodological details

The methodology for this category is the same as category 4. Logistics data is filtered for downstream shipments using the incoterms for the shipment. Where information on the shipment load, distance and mode are available from the transport providers then the emissions are calculated using this activity data and emission factors from the US EPA Emissions Factors Hub. 18% of emissions in this category are calculated using this method. Where the start and end point of the delivery is known, the geodesic distance between the points is calculated and adjusted to reflect actual transport distance by applying a non-linear adjustment factor of 1.2. This distance is combined with the shipment weight and emission factors from the US EPA Emissions Factors Hub. 4% of the emissions in this category are calculated using this method. The remaining 78%, where location data was not available, are spend based using US EPA Supply Chain GHG Emission Factors for US Commodities and Industries.

Scope 3 category 10: Processing of sold products

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

421.0

(7.5.3) Methodological details

Most chemical products sold by us are processing aids improving our customers' processes, reducing energy consumption and processing. Very few of our products require additional energy by the customer. For these products an estimate has been made of the additional energy used when the product is applied at the customer site. This combined with sales volume data and electricity emission factors from U.S. EPA eGRID is used to calculate the emissions.

Scope 3 category 11: Use of sold products

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

20.0

(7.5.3) Methodological details

Very few of our products create direct use phase emissions. The exception is the dosing and monitoring equipment we supply. For these products the number of units sold is combined with average electricity consumption data and emissions factors from U.S. EPA eGRID. An average product life of 5 years is used for this calculation.

Scope 3 category 12: End of life treatment of sold products

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

3594.0

(7.5.3) Methodological details

As our products are chemicals that are consumed at the customer, our end-of-life emissions only relate to the single use packaging our products are supplied in. Data on the amount and type of packaging material supplied is combined with emissions factors from US EPA Emission Factors Hub, table 9.

Scope 3 category 13: Downstream leased assets

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

0.0

(7.5.3) Methodological details

Solenis didn’t lease any of its assets to other entities in financial year 2022.

Scope 3 category 14: Franchises

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

0.0

(7.5.3) Methodological details

Solenis didn't operate any franchise in financial year 2022.

Scope 3 category 15: Investments

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

4352

(7.5.3) Methodological details

Our revenue from the joint venture was combined with emission factors from US EPA Supply Chain GHG Emission Factors for US Commodities and Industries to calculate the emissions.

Scope 3: Other (upstream)

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

0.0

(7.5.3) Methodological details

No other upstream emissions

Scope 3: Other (downstream)

(7.5.1) Base year end

09/30/2022

(7.5.2) Base year emissions (metric tons CO2e)

0

(7.5.3) Methodological details

No other downstream emissions
[Fixed row]

(7.6) What were your organization’s gross global Scope 1 emissions in metric tons CO2e?

Reporting year

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

213974

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Past year 1

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

168271

(7.6.2) End date

09/29/2022

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Past year 2

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

160821

(7.6.2) End date

09/29/2021

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Past year 3

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

160584

(7.6.2) End date

09/29/2020

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Past year 4

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

159655

(7.6.2) End date

09/29/2019

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)

Past year 5

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

169914

(7.6.2) End date

09/29/2018

(7.6.3) Methodological details

Activity data is collected from the manufacturing sites on the quantity and types of fuel used along with fuel data for vehicle use. The activity data is combined with emission factors from the US EPA Emissions Factors Hub for non-UK sites and from UK DEFRA for UK sites. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS)
[Fixed row]

(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

158882

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

165708

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

Past year 1

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

116335

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

122980

(7.7.3) End date

09/29/2022

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

Past year 2

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

118919

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

123033

(7.7.3) End date

09/29/2021

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

Past year 3

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

116167

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

125092

(7.7.3) End date

09/29/2020

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

Past year 4

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

134380

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

140923

(7.7.3) End date

09/29/2019

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

Past year 5

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

131595

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

135929

(7.7.3) End date

09/29/2018

(7.7.4) Methodological details

Activity data is collected from the manufacturing sites on the electricity, heat, steam and compressed air supplied by third parties. For market based emissions the activity data is combined with country specific residual emission factors where renewable contracts are not in place. For location based emissions activity data is combined with country specific generation emission factors. For countries where residual emission factors are not available then the location based emissions factors are used. For location based emissions activity data is combined with country specific emission factors. For non-manufacturing properties, where energy data is not available, estimates are made using intensity factors published from the U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey (CBECS).

[Fixed row]

(7.8) Account for your organization’s gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

3941498

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Hybrid method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Consolidated procurement data was used from both the heritage Diversey and Solenis businesses. this was combined with mass based emission factors where mass based data is available and with spend factors where only spend data is available. Emission factors are taken from Sphera’s Managed LCA Content (MLC 2024.1), Ecoinvent and EPA's "Supply Chain Greenhouse Gas Emission Factors v1.2 by NAICS-6".

Capital goods

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

64482

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

The capital spend in the financial year is mapped to the commodity types in the US EPA Supply Chain GHG Emission Factors for US Commodities and Industries

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

79255

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Activity data from our total energy use is multiplied by country specific emission factors published by from recognized sources including UK DEFRA, AIB and US EPA eGrid.

Upstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

677381

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Hybrid method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

11

(7.8.5) Please explain

The raw data was pulled from individual source data files by region. The data from each region's file was then condensed by multiplying distance with weight and then multiplied by an emission factor to calculate CO2e emissions Emission factors were taken from the Sphera 2024.1 MLC, US EPA Emissions Factors Hub and US EPA Supply Chain GHG Emission Factors for US Commodities and Industries.

Waste generated in operations

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

20530

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Waste-type-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

The waste mass is multiplied by the specific waste treatment emission factor. Emission factors for waste treatment were taken from the Sphera 2024.1 MLC database and US EPA Emissions Factors Hub

Business travel

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

19032

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Hybrid method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

The total distance travelled was multiplied with an emission factor-based transportation mode. The emission factor includes WTT for freighting goods For air travel, the raw data was divided in haul types based on the following categories: Domestic (3700 km) DEFRA 2024 factors were used for air, rail, and ground transportation For hotel nights, emission factors were pulled from DEFRA and some emissions were also calculated using https://www.hotelfootprints.org/

Employee commuting

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

16030

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Employee commuting emissions are calculated using the distance from the employee home zip code to their facility location. Based on company policies the assumption is made that manufacturing site workers commute 4 times per week and all other employees commute 3 times per week. An average number of working weeks of 46 per year is used in the calculation. Transport mode is calculated using statistical data for each region. EFs were retrieved from Sphera's Managed LCA Content (MLC 2024.1) and US EPA Emissions Factors Hub

Upstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

Any assets leased by Solenis have been reported in the company's Scope 1 & 2 since Solenis has operational control over the assets

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

6167

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

The data from each region's file was then condensed by multiplying distance with weight. The distance-weight data was then summed up based on transportation mode which were then multiplied by an emission factor to calculate CO2e emissions. Emission factors were taken from the Sphera 2024.1 MLC, US EPA Emissions Factors Hub and US EPA Supply Chain GHG Emission Factors for US Commodities and Industries.

Processing of sold products

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

4590

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Most chemical products sold by us are processing aids improving our customers' processes, reducing energy consumption and processing. Very few of our products require additional energy by the customer. For these products an estimate has been made of the additional energy used when the product is applied at the customer. Emission factors for electricity were taken from the Sphera 2024.1 MLC database and were direct emission factors.

Use of sold products

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

9279107

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

EFs were retrieved from Sphera's Managed LCA Content (MLC 2024.1) database. The total energy usage for use of all products (chemicals and machines) sold in the reported year were estimated. The chemicals were classified into categories such as Laundry Detergents, Mechanical Warewash Detergents, CIP Chemicals and Detergents, OPC and Bottlewashing. For the machines, the energy usage over the entire lifetime of the machine was estimated. The lifetime was assumed to be 9 years. To estimate the energy usage of the chemicals, category-specific calculation methods were applied. However, generally, all involved determining the specific energy required to use the chemical, the source of energy, the annual run-time of the device (if the chemical is being used in a device) and multiplying these quantities with the total chemicals sold annually. For the machines, the total energy was estimated in a similar manner, except that the annual energy usage was multiplied with the assumed lifetime. The machines were assumed to run for 50 weeks/yr, 6 days/week and 1-7 hours/day.

End of life treatment of sold products

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

213271

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Waste-type-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

The volume of waste created, including wastewater treatment was combined with emission factors for taken from the Sphera 2024.1 MLC database and US EPA Emission Factors Hub

Downstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

No downstream leased assets

Franchises

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

No franchises

Investments

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1029

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Spend emission factors from EPA's "Supply Chain Greenhouse Gas Emission Factors v1.2 by NAICS-6" was combined with the revenue from the relevant investments

Other (upstream)

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

No other upstream emissions

Other (downstream)

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

No other downstream emissions
[Fixed row]

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

(7.8.1.1) End date

09/29/2022

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

2406964

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

30521

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

67647

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

675

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

12077

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

3342

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

7375

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

7706

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

244822

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

421

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

20

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

3594

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

0

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

4353

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

0

(7.8.1.19) Comment

Calculation methods improved compared to 2021

Past year 2

(7.8.1.1) End date

09/29/2021

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

2283426

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

55323

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

44425

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

4402

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

1

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

2444

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

24

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

122

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

6603

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

1687

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

14

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

0

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

0

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

8203

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

0

(7.8.1.19) Comment

First year of calculation
[Fixed row]

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	*Select from:* ☑ Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	*Select from:* ☑ Third-party verification or assurance process in place
Scope 3	*Select from:* ☑ No third-party verification or assurance

[Fixed row]

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Row 1

(7.9.1.1) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.1.2) Status in the current reporting year

Select from:

☑ Complete

(7.9.1.3) Type of verification or assurance

Select from:

☑ Limited assurance

(7.9.1.4) Attach the statement

ERM CVS – Limited Assurance Report for Solenis.pdf

(7.9.1.5) Page/section reference

Entire document

(7.9.1.6) Relevant standard

Select from:
☑ ISAE3000

(7.9.1.7) Proportion of reported emissions verified (%)

100
[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:
☑ Scope 2 location-based

(7.9.2.2) Verification or assurance cycle in place

Select from:
☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:
☑ Complete

(7.9.2.4) Type of verification or assurance

Select from:
☑ Limited assurance

(7.9.2.5) Attach the statement

ERM CVS – Limited Assurance Report for Solenis.pdf

(7.9.2.6) Page/ section reference

Entire document

(7.9.2.7) Relevant standard

Select from:
☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100

Row 2

(7.9.2.1) Scope 2 approach

Select from:
☑ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:
☑ Complete

(7.9.2.4) Type of verification or assurance

Select from:
☑ Limited assurance

(7.9.2.5) Attach the statement

ERM CVS – Limited Assurance Report for Solenis.pdf

(7.9.2.6) Page/ section reference

Entire document

(7.9.2.7) Relevant standard

Select from:
☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100
[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

☑ Increased

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in renewable energy consumption

(7.10.1.1) Change in emissions (metric tons CO2e)

4876

(7.10.1.2) Direction of change in emissions

Select from:
☑ Increased

(7.10.1.3) Emissions value (percentage)

1.3

(7.10.1.4) Please explain calculation

Loss of landfill gas contract on our Suffolk site

Other emissions reduction activities

(7.10.1.1) Change in emissions (metric tons CO2e)

5060

(7.10.1.2) Direction of change in emissions

Select from:
☑ Decreased

(7.10.1.3) Emissions value (percentage)

1.3

(7.10.1.4) Please explain calculation

Carbon reduction projects

Divestment

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No change

Acquisitions

(7.10.1.1) Change in emissions (metric tons CO2e)

96953

(7.10.1.2) Direction of change in emissions

Select from:

☑ Increased

(7.10.1.3) Emissions value (percentage)

25.5

(7.10.1.4) Please explain calculation

Acquisition of Diversey and Clearon

Mergers

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No mergers

Change in output

(7.10.1.1) Change in emissions (metric tons CO2e)

21294

(7.10.1.2) Direction of change in emissions

Select from:

☑ Decreased

(7.10.1.3) Emissions value (percentage)

5.6

(7.10.1.4) Please explain calculation

Prorated emissions based on change in production volume

Change in methodology

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No change

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No change

Change in physical operating conditions

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No change

Unidentified

(7.10.1.1) Change in emissions (metric tons CO2e)

12956

(7.10.1.2) Direction of change in emissions

Select from:

☑ Increased

(7.10.1.3) Emissions value (percentage)

3.4

(7.10.1.4) Please explain calculation

Calculation based on difference between actual change and known changes

Other

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No change
[Fixed row]

(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Select from:
☑ Market-based

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:
☑ Yes

(7.12.1) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
	1325	*These emissions relate to the use of biogas at our Helsingborg site in Sweden*

[Fixed row]

(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Select from:
☑ Yes

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:

☑ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

206557

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

☑ CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

136

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

☑ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

177

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 4

(7.15.1.1) Greenhouse gas

Select from:
☑ HFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

7104

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 5

(7.15.1.1) Greenhouse gas

Select from:
☑ PFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 6

(7.15.1.1) Greenhouse gas

Select from:
☑ SF6

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)
[Add row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

Argentina

(7.16.1) Scope 1 emissions (metric tons CO2e)

516.4

(7.16.2) Scope 2, location-based (metric tons CO2e)

10.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

10.5

Australia

(7.16.1) Scope 1 emissions (metric tons CO2e)

4717.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

3005.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

3005.7

Austria

(7.16.1) Scope 1 emissions (metric tons CO2e)

9.4

(7.16.2) Scope 2, location-based (metric tons CO2e)

11.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

11.6

Belgium

(7.16.1) Scope 1 emissions (metric tons CO2e)

50.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

83.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

97.1

Brazil

(7.16.1) Scope 1 emissions (metric tons CO2e)

14225.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

3127.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

3128.2

Canada

(7.16.1) Scope 1 emissions (metric tons CO2e)

8288

(7.16.2) Scope 2, location-based (metric tons CO2e)

129.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

129.1

Chile

(7.16.1) Scope 1 emissions (metric tons CO2e)

64.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

194.3

(7.16.3) Scope 2, market-based (metric tons CO2e)

194.4

China

(7.16.1) Scope 1 emissions (metric tons CO2e)

195.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

5517.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

5517.3

Colombia

(7.16.1) Scope 1 emissions (metric tons CO2e)

191.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

61.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

61.5

Costa Rica

(7.16.1) Scope 1 emissions (metric tons CO2e)

7.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

1.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

1.1

Czechia

(7.16.1) Scope 1 emissions (metric tons CO2e)

28.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

208.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

226.6

Egypt

(7.16.1) Scope 1 emissions (metric tons CO2e)

65

(7.16.2) Scope 2, location-based (metric tons CO2e)

293.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

293.9

Finland

(7.16.1) Scope 1 emissions (metric tons CO2e)

1193.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

157.8

(7.16.3) Scope 2, market-based (metric tons CO2e)

87.1

France

(7.16.1) Scope 1 emissions (metric tons CO2e)

2078.2

(7.16.2) Scope 2, location-based (metric tons CO2e)

118.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

271.5

Germany

(7.16.1) Scope 1 emissions (metric tons CO2e)

4129.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

13231.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

19157

Greece

(7.16.1) Scope 1 emissions (metric tons CO2e)

38.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

151.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

229.4

Guatemala

(7.16.1) Scope 1 emissions (metric tons CO2e)

4.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

13.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

13.9

Hong Kong SAR, China

(7.16.1) Scope 1 emissions (metric tons CO2e)

2.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

15.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

15.7

Hungary

(7.16.1) Scope 1 emissions (metric tons CO2e)

21.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

58.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

79.6

India

(7.16.1) Scope 1 emissions (metric tons CO2e)

1598.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

6088.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

6088.5

Indonesia

(7.16.1) Scope 1 emissions (metric tons CO2e)

40.4

(7.16.2) Scope 2, location-based (metric tons CO2e)

507.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

508

Ireland

(7.16.1) Scope 1 emissions (metric tons CO2e)

2.4

(7.16.2) Scope 2, location-based (metric tons CO2e)

8.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

13.1

Israel

(7.16.1) Scope 1 emissions (metric tons CO2e)

35.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

89.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

89.4

Italy

(7.16.1) Scope 1 emissions (metric tons CO2e)

3510.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

1671.2

(7.16.3) Scope 2, market-based (metric tons CO2e)

510.7

Kenya

(7.16.1) Scope 1 emissions (metric tons CO2e)

38.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

29

(7.16.3) Scope 2, market-based (metric tons CO2e)

29

Malaysia

(7.16.1) Scope 1 emissions (metric tons CO2e)

2.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

12.3

(7.16.3) Scope 2, market-based (metric tons CO2e)

12.3

Mexico

(7.16.1) Scope 1 emissions (metric tons CO2e)

1125.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

733.2

(7.16.3) Scope 2, market-based (metric tons CO2e)

733.1

Morocco

(7.16.1) Scope 1 emissions (metric tons CO2e)

34.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

215.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

215

Netherlands

(7.16.1) Scope 1 emissions (metric tons CO2e)

1742.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

868.8

(7.16.3) Scope 2, market-based (metric tons CO2e)

1279.5

New Zealand

(7.16.1) Scope 1 emissions (metric tons CO2e)

140.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

12.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

12.7

Nigeria

(7.16.1) Scope 1 emissions (metric tons CO2e)

8.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

26.4

(7.16.3) Scope 2, market-based (metric tons CO2e)

26.4

Pakistan

(7.16.1) Scope 1 emissions (metric tons CO2e)

3

(7.16.2) Scope 2, location-based (metric tons CO2e)

9.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

9.6

Peru

(7.16.1) Scope 1 emissions (metric tons CO2e)

79

(7.16.2) Scope 2, location-based (metric tons CO2e)

12.2

(7.16.3) Scope 2, market-based (metric tons CO2e)

12.2

Philippines

(7.16.1) Scope 1 emissions (metric tons CO2e)

545.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

437.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

437.1

Poland

(7.16.1) Scope 1 emissions (metric tons CO2e)

731

(7.16.2) Scope 2, location-based (metric tons CO2e)

905.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

1022.9

Portugal

(7.16.1) Scope 1 emissions (metric tons CO2e)

64.8

(7.16.2) Scope 2, location-based (metric tons CO2e)

97.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

314.8

Republic of Korea

(7.16.1) Scope 1 emissions (metric tons CO2e)

27.1

(7.16.2) Scope 2, location-based (metric tons CO2e)

832.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

832.7

Romania

(7.16.1) Scope 1 emissions (metric tons CO2e)

17.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

54.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

55.7

Russian Federation

(7.16.1) Scope 1 emissions (metric tons CO2e)

70

(7.16.2) Scope 2, location-based (metric tons CO2e)

8796.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

8795.9

Rwanda

(7.16.1) Scope 1 emissions (metric tons CO2e)

0.2

(7.16.2) Scope 2, location-based (metric tons CO2e)

1.3

(7.16.3) Scope 2, market-based (metric tons CO2e)

1.3

Saudi Arabia

(7.16.1) Scope 1 emissions (metric tons CO2e)

7.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

79.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

79.7

Singapore

(7.16.1) Scope 1 emissions (metric tons CO2e)

17

(7.16.2) Scope 2, location-based (metric tons CO2e)

82.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

83

Slovakia

(7.16.1) Scope 1 emissions (metric tons CO2e)

0.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

0.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

0.6

South Africa

(7.16.1) Scope 1 emissions (metric tons CO2e)

6228.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

13461.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

13460.6

Spain

(7.16.1) Scope 1 emissions (metric tons CO2e)

1627.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

530

(7.16.3) Scope 2, market-based (metric tons CO2e)

183.5

Sweden

(7.16.1) Scope 1 emissions (metric tons CO2e)

69.6

(7.16.2) Scope 2, location-based (metric tons CO2e)

308.5

(7.16.3) Scope 2, market-based (metric tons CO2e)

292.8

Switzerland

(7.16.1) Scope 1 emissions (metric tons CO2e)

630.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

1

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Taiwan, China

(7.16.1) Scope 1 emissions (metric tons CO2e)

625.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

499.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

499.6

Thailand

(7.16.1) Scope 1 emissions (metric tons CO2e)

279.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

45

(7.16.3) Scope 2, market-based (metric tons CO2e)

45

Turkey

(7.16.1) Scope 1 emissions (metric tons CO2e)

944.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

1012.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

1012

Uganda

(7.16.1) Scope 1 emissions (metric tons CO2e)

0.1

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

United Arab Emirates

(7.16.1) Scope 1 emissions (metric tons CO2e)

10.1

(7.16.2) Scope 2, location-based (metric tons CO2e)

46.8

(7.16.3) Scope 2, market-based (metric tons CO2e)

46.8

United Kingdom of Great Britain and Northern Ireland

(7.16.1) Scope 1 emissions (metric tons CO2e)

61025.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

4153.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

5608.3

United Republic of Tanzania

(7.16.1) Scope 1 emissions (metric tons CO2e)

10.2

(7.16.2) Scope 2, location-based (metric tons CO2e)

20.9

(7.16.3) Scope 2, market-based (metric tons CO2e)

20.9

United States of America

(7.16.1) Scope 1 emissions (metric tons CO2e)

96835.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

90792.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

90798.8

Viet Nam

(7.16.1) Scope 1 emissions (metric tons CO2e)

12.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

44.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

44.7
[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply
☑ By activity

(7.17.3) Break down your total gross global Scope 1 emissions by business activity.

	Activity	Scope 1 emissions (metric tons CO2e)
Row 1	*Power Generation for Sale to 3rd party*	*3626*
Row 3	*Stationary Combustion (excluding power generation)*	*166419*
Row 4	*Mobile Combustion*	*34013*
Row 5	*Power Generation for internal use*	*9917*

[Add row]

(7.19) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

	Gross Scope 1 emissions, metric tons CO2e	Comment
Chemicals production activities	*209841*	*All our activities are based around the manufacture and supply of chemicals*

[Fixed row]

(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

Select all that apply

☑ By activity

(7.20.3) Break down your total gross global Scope 2 emissions by business activity.

	Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Row 1	*Purchased Heat*	*19943*	*19943*
Row 3	*Power for manufacturing plants*	*127484*	*132920*
Row 4	*Power for non-manufacturing sites*	*11455*	*12845*

[Add row]

(7.21) Break down your organization's total gross global Scope 2 emissions by sector production activity in metric tons CO2e.

	Scope 2, location-based, metric tons CO2e	Scope 2, market-based (if applicable), metric tons CO2e	Comment
Chemicals production activities	*158882*	*165708*	*All our activities are based around the manufacture and supply of chemicals*

[Fixed row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

209841

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

158882

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

165708

(7.22.4) Please explain

No other entities

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

0

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

0

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

0

(7.22.4) Please explain

No other entities
[Fixed row]

(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Select from:

☑ Not relevant as we do not have any subsidiaries

(7.25) Disclose the percentage of your organization's Scope 3, Category 1 emissions by purchased chemical feedstock.

Row 1

(7.25.1) Purchased feedstock

Select from:
☑ Ammonia

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.5

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 2

(7.25.1) Purchased feedstock

Select from:
☑ Methanol

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.14

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 3

(7.25.1) Purchased feedstock

Select from:

☑ Adipic acid

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

6.5

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 4

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Acrylonitrile

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

3.4

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 5

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Diethylenetriamine

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

2.1

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 6

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Epichlorohydrin

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

1

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 7

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Acrylic Acid

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.9

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 8

(7.25.1) Purchased feedstock

Select from:
☑ Other (please specify) **:**Methyl Chloride

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.8

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 9

(7.25.1) Purchased feedstock

Select from:
☑ Other (please specify) **:**Multiple other chemicals

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

26.8

(7.25.3) Explain calculation methodology

Multiple chemical feedstocks calculated as part of the Category 1 inventory

Row 10

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Sodium Hydroxide

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

3.9

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 11

(7.25.1) Purchased feedstock

Select from:

☑ Other (please specify) **:**Sodium Hypochlorite

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

4.2

(7.25.3) Explain calculation methodology

Calculated from volume purchased

Row 12

(7.25.1) Purchased feedstock

Select from:

☑ Other base chemicals **:**Chlorine

(7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.5

(7.25.3) Explain calculation methodology

Calculated from volume purchased
[Add row]

(7.25.1) Disclose sales of products that are greenhouse gases.

Carbon dioxide (CO2)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Methane (CH4)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Nitrous oxide (N2O)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Hydrofluorocarbons (HFC)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Perfluorocarbons (PFC)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Sulphur hexafluoride (SF6)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales

Nitrogen trifluoride (NF3)

(7.25.1.1) Sales, metric tons

0

(7.25.1.2) Comment

No sales
[Fixed row]

(7.26) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Row 1

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

1355

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 2

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods

☑ Category 6: Business travel

☑ Category 7: Employee commuting

☑ Category 1: Purchased goods and services

☑ Category 5: Waste generated in operations

☑ Category 4: Upstream transportation and distribution

☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

30512

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 3

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

1049

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 2 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 4

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:
☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

4360

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 5

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:
☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

3376

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 6

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods

☑ Category 6: Business travel

☑ Category 7: Employee commuting

☑ Category 1: Purchased goods and services

☑ Category 5: Waste generated in operations

☑ Category 4: Upstream transportation and distribution

☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

98168

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 7

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

486

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 8

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

376

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 9

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

10944

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 10

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

2

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 11

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

2

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 12

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply
☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

51

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 13

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:
☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

1060

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 14

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

821

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 15

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods

☑ Category 6: Business travel

☑ Category 7: Employee commuting

☑ Category 1: Purchased goods and services

☑ Category 5: Waste generated in operations

☑ Category 4: Upstream transportation and distribution

☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

23879

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 16

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

530

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 17

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

411

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 18

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

11939

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 19

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

35

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 20

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

27

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 21

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply
☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

796

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 22

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:
☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

913

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 23

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

707

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 24

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods

☑ Category 6: Business travel

☑ Category 7: Employee commuting

☑ Category 1: Purchased goods and services

☑ Category 5: Waste generated in operations

☑ Category 4: Upstream transportation and distribution

☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

20562

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 25

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

773

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 26

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

559

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 27

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

17405

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 28

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

725

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 29

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

561

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 30

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply
☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

16317

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 31

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:
☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

210

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 32

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

163

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 33

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods

☑ Category 6: Business travel

☑ Category 7: Employee commuting

☑ Category 1: Purchased goods and services

☑ Category 5: Waste generated in operations

☑ Category 4: Upstream transportation and distribution

☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

4739

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 34

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

1384

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 35

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

1072

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 36

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply

☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

31175

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:
☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 37

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 1

(7.26.4) Allocation level

Select from:
☑ Company wide

(7.26.6) Allocation method

Select from:
☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

118

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Natural gas and vehicle fuel

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions are calculated based on the total scope 1 emissions

(7.26.14) Where published information has been used, please provide a reference

.

Row 38

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:

☑ Scope 2: market-based

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

91

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Purchased electricity and steam

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 2 emissions.

(7.26.14) Where published information has been used, please provide a reference

.

Row 39

(7.26.1) Requesting member

Select from:

(7.26.2) Scope of emissions

Select from:
☑ Scope 3

(7.26.3) Scope 3 category(ies)

Select all that apply
☑ Category 2: Capital goods
☑ Category 6: Business travel
☑ Category 7: Employee commuting
☑ Category 1: Purchased goods and services
☑ Category 5: Waste generated in operations
☑ Category 4: Upstream transportation and distribution
☑ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.26.4) Allocation level

Select from:

☑ Company wide

(7.26.6) Allocation method

Select from:

☑ Allocation based on the volume of products purchased

(7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

☑ Currency

(7.26.9) Emissions in metric tonnes of CO2e

2653

(7.26.10) Uncertainty (±%)

25

(7.26.11) Major sources of emissions

Chemical raw materials

(7.26.12) Allocation verified by a third party?

Select from:

☑ No

(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Emissions allocated based on upstream Scope 3 emissions.

(7.26.14) Where published information has been used, please provide a reference

.
[Add row]

(7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Row 1

(7.27.1) Allocation challenges

Select from:

☑ Customer base is too large and diverse to accurately track emissions to the customer level

(7.27.2) Please explain what would help you overcome these challenges

The large number of products and production sites within Solenis makes it difficult to allocate emissions at a customer level. Shared best practice on data management and emissions calculations will help improve the allocations.
[Add row]

(7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

(7.28.1) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

Select from:

☑ Yes

(7.28.2) Describe how you plan to develop your capabilities

Solenis is improving its product carbon footprint methodology. This will increase the automation of the calculations allowing emissions to be allocated to customers at a product level.
[Fixed row]

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:

☑ More than 0% but less than or equal to 5%

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	*Select from:* ☑ Yes
Consumption of purchased or acquired electricity	*Select from:* ☑ Yes
Consumption of purchased or acquired heat	*Select from:* ☑ Yes
Consumption of purchased or acquired steam	*Select from:* ☑ Yes
Consumption of purchased or acquired cooling	*Select from:* ☑ No
Generation of electricity, heat, steam, or cooling	*Select from:* ☑ Yes

[Fixed row]

(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

9272

(7.30.1.3) MWh from non-renewable sources

1058421

(7.30.1.4) Total (renewable and non-renewable) MWh

1067693

Consumption of purchased or acquired electricity

(7.30.1.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

13914

(7.30.1.3) MWh from non-renewable sources

337977

(7.30.1.4) Total (renewable and non-renewable) MWh

351891

Consumption of purchased or acquired heat

(7.30.1.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

1232

(7.30.1.4) Total (renewable and non-renewable) MWh

1232

Consumption of purchased or acquired steam

(7.30.1.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

115042

(7.30.1.4) Total (renewable and non-renewable) MWh

115042

Consumption of self-generated non-fuel renewable energy

(7.30.1.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

150

(7.30.1.4) Total (renewable and non-renewable) MWh

150

Total energy consumption

(7.30.1.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

23336

(7.30.1.3) MWh from non-renewable sources

1512672

(7.30.1.4) Total (renewable and non-renewable) MWh

1536008
[Fixed row]

(7.30.3) Report your organization’s energy consumption totals (excluding feedstocks) for chemical production activities in MWh.

Consumption of fuel (excluding feedstocks)

(7.30.3.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

9272

(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

1058421

(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary

0

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

1067693

Consumption of purchased or acquired electricity

(7.30.3.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

13914

(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

337977

(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary

0

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

351891

Consumption of purchased or acquired heat

(7.30.3.1) Heating value

Select from:

☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

0

(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

1232

(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary

0

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

1232

Consumption of purchased or acquired steam

(7.30.3.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

0

(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

115042

(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary

0

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

115042

Consumption of self-generated non-fuel renewable energy

(7.30.3.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

150

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

150

Total energy consumption

(7.30.3.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

23336

(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

1512672

(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary

0

(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary

1536008
[Fixed row]

(7.30.6) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	*Select from:* ☑ Yes
Consumption of fuel for the generation of heat	*Select from:* ☑ Yes
Consumption of fuel for the generation of steam	*Select from:* ☑ Yes
Consumption of fuel for the generation of cooling	*Select from:*

	Indicate whether your organization undertakes this fuel application
	☑ No
Consumption of fuel for co-generation or tri-generation	*Select from:* ☑ Yes

[Fixed row]

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

7318

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

7318

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No comment

Other biomass

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No comment

Other renewable fuels (e.g. renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No comment

Coal

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No coal used

Oil

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

171388

(7.30.7.3) MWh fuel consumed for self-generation of electricity

4182

(7.30.7.4) MWh fuel consumed for self-generation of heat

6170

(7.30.7.5) MWh fuel consumed for self-generation of steam

161037

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No comment

Gas

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

871005

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

99643

(7.30.7.5) MWh fuel consumed for self-generation of steam

502667

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

268695

(7.30.7.8) Comment

No comment

Other non-renewable fuels (e.g. non-renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

17982

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

17982

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

Waste methanol

Total fuel

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

1067693

(7.30.7.3) MWh fuel consumed for self-generation of electricity

4182

(7.30.7.4) MWh fuel consumed for self-generation of heat

123794

(7.30.7.5) MWh fuel consumed for self-generation of steam

671022

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

268695

(7.30.7.8) Comment

No comment

[Fixed row]

(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

Electricity

(7.30.9.1) Total Gross generation (MWh)

54337

(7.30.9.2) Generation that is consumed by the organization (MWh)

40267

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Heat

(7.30.9.1) Total Gross generation (MWh)

100274

(7.30.9.2) Generation that is consumed by the organization (MWh)

100274

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Steam

(7.30.9.1) Total Gross generation (MWh)

678950

(7.30.9.2) Generation that is consumed by the organization (MWh)

641458

(7.30.9.3) Gross generation from renewable sources (MWh)

5928

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

5928

Cooling

(7.30.9.1) Total Gross generation (MWh)

0

(7.30.9.2) Generation that is consumed by the organization (MWh)

0

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0
[Fixed row]

(7.30.11) Provide details on electricity, heat, steam, and cooling your organization has generated and consumed for chemical production activities.

Electricity

(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)

54337

(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)

40267

(7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)

0

(7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)

0

Heat

(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)

100274

(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)

100274

(7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)

0

(7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)

0

Steam

(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)

678950

(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)

641458

(7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)

5928

(7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)

0

Cooling

(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)

0

(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)

0

(7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)

0

(7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)

0
[Fixed row]

(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.

Row 1

(7.30.14.1) Country/area

Select from:
☑ United Kingdom of Great Britain and Northern Ireland

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Supplier mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

4916

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ United Kingdom of Great Britain and Northern Ireland

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Renewable energy contract

Row 2

(7.30.14.1) Country/area

Select from:

☑ Italy

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify **:**Supplier mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

4190

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Italy

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Renewable energy contract

Row 3

(7.30.14.1) Country/area

Select from:

☑ Spain

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Supplier mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

2549

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Spain

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Renewable energy contract

Row 4

(7.30.14.1) Country/area

Select from:

☑ Germany

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify **:**Supplier mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

525

(7.30.14.6) Tracking instrument used

Select from:
☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ Germany

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

(7.30.14.10) Comment

Renewable energy contract

Row 5

(7.30.14.1) Country/area

Select from:
☑ Finland

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Hydropower (capacity unknown)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

1733

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Finland

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.14.10) Comment

Renewable energy contract

Row 6

(7.30.14.1) Country/area

Select from:

☑ Australia

(7.30.14.2) Sourcing method

Select from:

☑ Purchase from an on-site installation owned by a third party (on-site PPA)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Solar

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

150

(7.30.14.6) Tracking instrument used

Select from:

☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Australia

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2022

(7.30.14.10) Comment

On site solar
[Add row]

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

Argentina

(7.30.16.1) Consumption of purchased electricity (MWh)

495

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

10

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

505.00

Australia

(7.30.16.1) Consumption of purchased electricity (MWh)

5499

(7.30.16.2) Consumption of self-generated electricity (MWh)

150.4

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

18930

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

24579.40

Austria

(7.30.16.1) Consumption of purchased electricity (MWh)

91

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

42

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

133.00

Belgium

(7.30.16.1) Consumption of purchased electricity (MWh)

612

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

227

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

839.00

Brazil

(7.30.16.1) Consumption of purchased electricity (MWh)

26303

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

1908

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

32959

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

61170.00

Canada

(7.30.16.1) Consumption of purchased electricity (MWh)

4791

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

12874

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

17665.00

Chile

(7.30.16.1) Consumption of purchased electricity (MWh)

737

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

287

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1024.00

China

(7.30.16.1) Consumption of purchased electricity (MWh)

8192

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

9037

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

640

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

17869.00

Colombia

(7.30.16.1) Consumption of purchased electricity (MWh)

435

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

75

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

510.00

Costa Rica

(7.30.16.1) Consumption of purchased electricity (MWh)

83

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

32

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

115.00

Czechia

(7.30.16.1) Consumption of purchased electricity (MWh)

324

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

127

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

451.00

Eygpt

(7.30.16.1) Consumption of purchased electricity (MWh)

741

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

290

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1031.00

Finland

(7.30.16.1) Consumption of purchased electricity (MWh)

1900

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

5326

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

7226.00

France

(7.30.16.1) Consumption of purchased electricity (MWh)

2146

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

936

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3082.00

Germany

(7.30.16.1) Consumption of purchased electricity (MWh)

20749

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

29668

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

8456

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

58873.00

Greece

(7.30.16.1) Consumption of purchased electricity (MWh)

431

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

173

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

604.00

Guatemala

(7.30.16.1) Consumption of purchased electricity (MWh)

55

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

22

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

77.00

Hong Kong SAR, China

(7.30.16.1) Consumption of purchased electricity (MWh)

27

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

10

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

37.00

Hungary

(7.30.16.1) Consumption of purchased electricity (MWh)

248

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

97

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

345.00

India

(7.30.16.1) Consumption of purchased electricity (MWh)

9014

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

4047

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

6851

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

19912.00

Indonesia

(7.30.16.1) Consumption of purchased electricity (MWh)

684

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

389

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

169

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1242.00

Ireland

(7.30.16.1) Consumption of purchased electricity (MWh)

28

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

11

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

39.00

Israel

(7.30.16.1) Consumption of purchased electricity (MWh)

203

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

159

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

362.00

Italy

(7.30.16.1) Consumption of purchased electricity (MWh)

5305

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

4735

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

10040.00

Kenya

(7.30.16.1) Consumption of purchased electricity (MWh)

417

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

172

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

589.00

Malaysia

(7.30.16.1) Consumption of purchased electricity (MWh)

27

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

10

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

37.00

Mexico

(7.30.16.1) Consumption of purchased electricity (MWh)

3060

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

243

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

2007

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5310.00

Morocco

(7.30.16.1) Consumption of purchased electricity (MWh)

393

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

154

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

547.00

Netherlands

(7.30.16.1) Consumption of purchased electricity (MWh)

2912

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2912.00

New Zealand

(7.30.16.1) Consumption of purchased electricity (MWh)

105

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

26

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

131.00

Nigeria

(7.30.16.1) Consumption of purchased electricity (MWh)

97

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

38

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

135.00

Pakistan

(7.30.16.1) Consumption of purchased electricity (MWh)

35

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

14

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

49.00

Peru

(7.30.16.1) Consumption of purchased electricity (MWh)

62

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

289

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

351.00

Philippines

(7.30.16.1) Consumption of purchased electricity (MWh)

835

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

327

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1162.00

Poland

(7.30.16.1) Consumption of purchased electricity (MWh)

1218

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

472

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1690.00

Portugal

(7.30.16.1) Consumption of purchased electricity (MWh)

705

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

289

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

994.00

Republic of Korea

(7.30.16.1) Consumption of purchased electricity (MWh)

1054

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

2573

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

65

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3692.00

Romania

(7.30.16.1) Consumption of purchased electricity (MWh)

202

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

80

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

282.00

Russian Federation

(7.30.16.1) Consumption of purchased electricity (MWh)

24795

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

4451

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

312

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

29558.00

Rwanda

(7.30.16.1) Consumption of purchased electricity (MWh)

5

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

1

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

6.00

Saudi Arabi

(7.30.16.1) Consumption of purchased electricity (MWh)

139

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

34

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

173.00

Singapore

(7.30.16.1) Consumption of purchased electricity (MWh)

209

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

76

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

285.00

Slovakia

(7.30.16.1) Consumption of purchased electricity (MWh)

3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

2

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5.00

South Africa

(7.30.16.1) Consumption of purchased electricity (MWh)

16686

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

13744

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

30430.00

Spain

(7.30.16.1) Consumption of purchased electricity (MWh)

3207

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

4038

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

7245.00

Sweden

(7.30.16.1) Consumption of purchased electricity (MWh)

3925

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

1232

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

6032

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

11189.00

Switzerland

(7.30.16.1) Consumption of purchased electricity (MWh)

370

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

23

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

393.00

Taiwan, China

(7.30.16.1) Consumption of purchased electricity (MWh)

1034

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

2724

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3758.00

Thailand

(7.30.16.1) Consumption of purchased electricity (MWh)

110

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

43

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

153.00

Turkey

(7.30.16.1) Consumption of purchased electricity (MWh)

2817

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

691

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3508.00

Uganda

(7.30.16.1) Consumption of purchased electricity (MWh)

2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2.00

United Arab Emirates

(7.30.16.1) Consumption of purchased electricity (MWh)

116

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

45

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

161.00

United Kingdom of Great Britain and Northern Ireland

(7.30.16.1) Consumption of purchased electricity (MWh)

19950

(7.30.16.2) Consumption of self-generated electricity (MWh)

38594

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

182063

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

240607.00

United Republic of Tanzania

(7.30.16.1) Consumption of purchased electricity (MWh)

63

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

46

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

109.00

United States of America

(7.30.16.1) Consumption of purchased electricity (MWh)

177819

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

63144

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

339827

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

580790.00

Viet Nam

(7.30.16.1) Consumption of purchased electricity (MWh)

145

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

57

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

202.00
[Fixed row]

(7.31) Does your organization consume fuels as feedstocks for chemical production activities?

Select from:
☑ No

(7.39) Provide details on your organization's chemical products.

Row 1

(7.39.1) Output product

Select from:

☑ Specialty chemicals

(7.39.2) Production (metric tons)

1953979

(7.39.3) Capacity (metric tons)

3934229

(7.39.4) Direct emissions intensity (metric tons CO2e per metric ton of product)

0.11

(7.39.5) Electricity intensity (MWh per metric ton of product)

0.2

(7.39.6) Steam intensity (MWh per metric ton of product)

0.39

(7.39.7) Steam/ heat recovered (MWh per metric ton of product)

0

(7.39.8) Comment

No comment
[Add row]

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

0.000052

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

379682

(7.45.3) Metric denominator

Select from:

☑ unit total revenue

(7.45.4) Metric denominator: Unit total

7264200000

(7.45.5) Scope 2 figure used

Select from:

☑ Market-based

(7.45.6) % change from previous year

23

(7.45.7) Direction of change

Select from:

☑ Decreased

(7.45.8) Reasons for change

Select all that apply

☑ Acquisitions

(7.45.9) Please explain

The acquired Diversey business has a large production volume with low emissions compared to the heritage Solenis business. This dilutes the overall emissions intensity

Row 2

(7.45.1) Intensity figure

0.194

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

379682

(7.45.3) Metric denominator

Select from:

☑ metric ton of product

(7.45.4) Metric denominator: Unit total

1953979

(7.45.5) Scope 2 figure used

Select from:

☑ Market-based

(7.45.6) % change from previous year

9

(7.45.7) Direction of change

Select from:

☑ Decreased

(7.45.8) Reasons for change

Select all that apply

☑ Acquisitions

(7.45.9) Please explain

The acquired Diversey business has a large production volume with low emissions compared to the heritage Solenis business. This dilutes the overall emissions intensity
[Add row]

(7.52) Provide any additional climate-related metrics relevant to your business.

Row 1

(7.52.1) Description

Select from:

☑ Waste

(7.52.2) Metric value

36484

(7.52.3) Metric numerator

Total Waste Generated

(7.52.4) Metric denominator (intensity metric only)

N/A

(7.52.5) % change from previous year

24

(7.52.6) Direction of change

Select from:

☑ Increased

(7.52.7) Please explain

This reported figure covers the waste reported by the heritage Solenis business only. We are still in the process of consoidating the waste data for the heritage Diversey buiness. The waste has increased due to an initiative to clear the company's inventory of aged, expired and slow-moving products.
[Add row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☑ Absolute target

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:

☑ Abs 1

(7.53.1.2) Is this a science-based target?

Select from:

☑ No, but we anticipate setting one in the next two years

(7.53.1.5) Date target was set

08/31/2020

(7.53.1.6) Target coverage

Select from:

☑ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Carbon dioxide (CO2)

☑ Methane (CH4)

☑ Nitrous oxide (N2O)

☑ Hydrofluorocarbons (HFCs)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.1.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.1.11) End date of base year

09/29/2018

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

169914

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

135929

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

305843.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

09/29/2030

(7.53.1.55) Targeted reduction from base year (%)

20

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

244674.400

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

184398

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

142930

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

327328.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

-35.12

(7.53.1.80) Target status in reporting year

Select from:

☑ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

The target covers all direct Scope 1 and 2 emissions from our manufacturing operations, offices and vehicles.

(7.53.1.83) Target objective

To reduce total carbon emissions

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

Solenis intends to meet its target by focusing on energy reduction in its manufacturing plants, purchase of renewable electricity and transition to electrical vehicles (EVs). We are working with our energy procurement consultants to develop a renewable energy plan. As natural gas consumption for powering our combined heat and power plants and generating steam makes up much of our scope 1 emissions we are investigating fuel switching options to reduce these emissions.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☑ No other climate-related targets

(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Select from:

☑ Yes

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	*29*	*`Numeric input*

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
To be implemented	*25*	*3263*
Implementation commenced	*10*	*1975*
Implemented	*28*	*5063*
Not to be implemented	*1*	*`Numeric input*

[Fixed row]

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Maintenance program

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

0

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:
☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

1000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

0

(7.55.2.7) Payback period

Select from:
☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:
☑ 6-10 years

(7.55.2.9) Comment

Maintenance of warehouse heating system in Sweden. Electricity is renewable so no carbon reductions

Row 2

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes
☑ Automation

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

0

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

17000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

45000

(7.55.2.7) Payback period

Select from:

☑ 1-3 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

(7.55.2.9) Comment

Automatic control o fcooling water pumps in Spain. Electricity is renewable so no associated carbon reductions

Row 3

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Compressed air

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

890

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

425000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

13000

(7.55.2.7) Payback period

Select from:

☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

(7.55.2.9) Comment

Repairing compressed air leaks

Row 4

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Machine/equipment replacement

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

1000

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

325000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

260000

(7.55.2.7) Payback period

Select from:

☑ 1-3 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

(7.55.2.9) Comment

Replacement of boilers and steam infrastructure with more efficient equipment

Row 5

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Process optimization

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

1080

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

☑ Scope 2 (market-based)

(7.55.2.4) Voluntary/Mandatory

Select from:
☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

725000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

64000

(7.55.2.7) Payback period

Select from:
☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:
☑ 6-10 years

(7.55.2.9) Comment

Optimizing of process conditions in our manufacturing plants

Row 6

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes
☑ Waste heat recovery

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

2090

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

1000000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

800000

(7.55.2.7) Payback period

Select from:

☑ 1-3 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

(7.55.2.9) Comment

Upgrade of condensate recovery systems and installation of boiler econimizers
[Add row]

(7.55.3) What methods do you use to drive investment in emissions reduction activities?

Row 1

(7.55.3.1) Method

Select from:

☑ Employee engagement

(7.55.3.2) Comment

Our sites have local improvement initiatives, where employees are encouraged to generate energy savings ideas. In many sites, improvements are also linked to performance targets.

Row 3

(7.55.3.1) Method

Select from:

☑ Partnering with governments on technology development

(7.55.3.2) Comment

The Bradford site has worked with the UK Government to develop a net zero roadmap. This work was completed as part of the Industry of the Future program
[Add row]

(7.73) Are you providing product level data for your organization's goods or services?

Select from:

☑ No, I am not providing data

(7.74) Do you classify any of your existing goods and/or services as low-carbon products?

Select from:

☑ Yes

(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.

Row 1

(7.74.1.1) Level of aggregation

Select from:
☑ Group of products or services

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:
☑ No taxonomy used to classify product(s) or service(s) as low carbon

(7.74.1.3) Type of product(s) or service(s)

Biofuels
☑ Other, please specify

(7.74.1.4) Description of product(s) or service(s)

Dry strength additives that enhance the end-use performance of tissue and towel grades and improve the operating efficiency of tissue machines.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:
☑ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:
☑ Other, please specify :Solenis Value Advantage calculator

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☑ Use stage

(7.74.1.8) Functional unit used

Tissue machine operating at 450m2/hour

(7.74.1.9) Reference product/service or baseline scenario used

Operation of tissue machine before use of dry strength additive

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☑ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

4000

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

Dry strength additives are used in a large number of applications and the avoided emissions are specific to each application. For the purpose of this disclosure the avoided emissions from a typical tissue machine application have been used as an example. This calculation is based on actual field data on the energy reduction from using Solenis dry strength additives on tissue machines.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

4

Row 3

(7.74.1.1) Level of aggregation

Select from:

☑ Product or service

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☑ No taxonomy used to classify product(s) or service(s) as low carbon

(7.74.1.3) Type of product(s) or service(s)

Power

☑ Other, please specify **:**Antiscalents

(7.74.1.4) Description of product(s) or service(s)

Antiscalents used in heat transfer operations such as steam heated evaporators

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☑ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☑ Other, please specify **:**Solenis Value Advantage calculator

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☑ Use stage

(7.74.1.8) Functional unit used

Typical evaporator with a steam flow 20 metric ton/hour

(7.74.1.9) Reference product/service or baseline scenario used

Typical operation of evaporator before Solenis antiscalents used

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☑ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

3000

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

Antiscalents are used in a large number of applications and the avoided emissions are specific to each application. For the purpose of this disclosure the avoided emissions from a typical industrial evaporation process have been used as an example. This calculation is based on actual field data on the energy reduction from using Solenis antiscalents in industrial evaporators.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

1

Row 4

(7.74.1.1) Level of aggregation

Select from:

☑ Product or service

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☑ No taxonomy used to classify product(s) or service(s) as low carbon

(7.74.1.3) Type of product(s) or service(s)

Power

☑ Other, please specify **:**Defoamer products

(7.74.1.4) Description of product(s) or service(s)

Our defoamer products reduce water consumption in paper making resulting in a reduction in the energy required in the process.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☑ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☑ Other, please specify **:**Solenis Value Advantage calculator

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☑ Use stage

(7.74.1.8) Functional unit used

25m3/hr water savings

(7.74.1.9) Reference product/service or baseline scenario used

Baseline scenario taken from a paper mill using 25m3/hr more water for brown stock washing

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☑ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

29000

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

Defoamer products are used in a large range of applications and the avoided emissions are specific to each application. For the purpose of this disclosure the avoided emissions from a typical paper mill application have been used as an example. This calculation is based on the avoided emissions for evaporating the additional water by burning natural gas.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

4

Row 5

(7.74.1.1) Level of aggregation

Select from:

☑ Product or service

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☑ No taxonomy used to classify product(s) or service(s) as low carbon

(7.74.1.3) Type of product(s) or service(s)

Power

☑ Other, please specify :Retention and Drainage Aids

(7.74.1.4) Description of product(s) or service(s)

Products that improve run ability and drainage in paper production, which reduces the energy use.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☑ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☑ Other, please specify :Solenis Value Advantage calculator

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☑ End-of-life stage

(7.74.1.8) Functional unit used

100000 tons/year paper production

(7.74.1.9) Reference product/service or baseline scenario used

Typical operation of paper mill before chemicals are used.

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☑ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

10000

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

Retention and drainage aids are used in a large number of applications and the avoided emissions are specific to each application. For the purpose of this disclosure the avoided emissions from a typical paper making process have been used as an example. This calculation is based on published data on typical emissions from the paper making process.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

4
[Add row]

(7.79) Has your organization canceled any project-based carbon credits within the reporting year?

Select from:
☑ No

C8. Environmental performance - Forests

(8.1) Are there any exclusions from your disclosure of forests-related data?

	Exclusion from disclosure
Palm oil	*Select from:* ☑ Yes

[Fixed row]

(8.1.1) Provide details on these exclusions.

Palm oil

(8.1.1.1) Exclusion

Select from:

☑ Other, please specify **:**Palm oil derivatives

(8.1.1.2) Description of exclusion

Raw materials that are palm derived or blends of palm oil are excluded

(8.1.1.3) Value chain stage

Select from:

☑ Direct operations

(8.1.1.4) Reason for exclusion

Select from:

☑ Data is not available

(8.1.1.5) Primary reason why data is not available for your disclosed commodity

Select from:

☑ Challenges associated with data collection and/or quality

(8.1.1.8) Indicate if you are providing the commodity volume that is being excluded from your disclosure of forests-related data

Select from:

☑ No, the volume excluded is unknown

(8.1.1.10) Please explain

We are in the process of improving our systems to track information from our suppliers on palm oil derivatives
[Add row]

(8.2) Provide a breakdown of your disclosure volume per commodity.

	Disclosure volume (metric tons)	Volume type	Sourced volume (metric tons)
Palm oil	*36*	*Select all that apply* ☑ Sourced	*36*

[Fixed row]

(8.5) Provide details on the origins of your sourced volumes.

Palm oil

(8.5.1) Country/area of origin

Select from:

☑ Unknown origin

(8.5.4) Volume sourced from country/area of origin (metric tons)

36

(8.5.5) Source

Select all that apply

☑ Contracted suppliers (manufacturers)

(8.5.7) Please explain

Main countries of origin are Malaysia and Indonesia, but we do not have full visibility into our suppliers supply chain, some suppliers are not providing identity-preserved (a higher level of certification) products that could be traced to a particular grower.
[Add row]

(8.6) Does your organization produce or source palm oil derived biofuel?

Select from:

☑ No

(8.7) Did your organization have a no-deforestation or no-conversion target, or any other targets for sustainable production/ sourcing of your disclosed commodities, active in the reporting year?

Palm oil

(8.7.1) Active no-deforestation or no-conversion target

Select from:

☑ No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

(8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year

Select from:

☑ Not an immediate strategic priority

(8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year

Due to the integration of the Diversey business we are not in a position to set meaningful targets on deforestation. Our deforestation policy is available in our regulatory library. https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/deforestation-and-biodiversity.pdf

(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target

Select from:

☑ No, and we do not plan to have other targets related to this commodity in the next two years

(8.7.6) Primary reason for not having other active targets in the reporting year

Select from:

☑ Not an immediate strategic priority

(8.7.7) Explain why you did not have other active targets in the reporting year

Due to the integration of the Diversey business we are not in a position to set meaningful targets on deforestation. Our deforestation policy is available in our regulatory library. https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/deforestation-and-biodiversity.pdf
[Fixed row]

(8.8) Indicate if your organization has a traceability system to determine the origins of your sourced volumes and provide details of the methods and tools used.

Palm oil

(8.8.1) Traceability system

Select from:

☑ Yes

(8.8.2) Methods/tools used in traceability system

Select all that apply

☑ Supplier engagement/communication

☑ Internal traceability system

(8.8.3) Description of methods/tools used in traceability system

Solenis has a protocol implemented to ensure that all the supplier information is gathered. Among this information, there is a mandatory document named VRR (Vendor Regulatory Request) filled by the supplier to ensure that supplier fulfills the required specifications.
[Fixed row]

(8.8.1) Provide details of the point to which your organization can trace its sourced volumes.

Palm oil

(8.8.1.1) % of sourced volume traceable to production unit

0

(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit

0

(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit

0

(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin

0

(8.8.1.5) % of sourced volume from unknown origin

100

(8.8.1.6) % of sourced volume reported

100.00
[Fixed row]

(8.9) Provide details of your organization's assessment of the deforestation-free (DF) or deforestation- and conversion-free (DCF) status of its disclosed commodities.

Palm oil

(8.9.1) DF/DCF status assessed for this commodity

Select from:
☑ No, but we plan to do so within the next two years

(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:
☑ No

(8.9.7) Primary reason for not assessing DF/DCF status

Select from:
☑ Not an immediate strategic priority

(8.9.8) Explain why you have not assessed DF/DCF status

Solenis completed the significant acquisition of the Diversey business in 2023. A The focus in 2023 has been on integrating the two business and consolidating the environmental performance data.
[Fixed row]

(8.10) Indicate whether you have monitored or estimated the deforestation and conversion of other natural ecosystems footprint for your disclosed commodities.

	Monitoring or estimating your deforestation and conversion footprint	Primary reason for not monitoring or estimating deforestation and conversion footprint	Explain why you do not monitor or estimate your deforestation and conversion footprint
Palm oil	*Select from:* ☑ No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years	*Select from:* ☑ Not an immediate strategic priority	*Solenis is committed to source deforestation free products and working to grant compliance to EU Deforestation Regulation by Jan 2025*

[Fixed row]

(8.11) For volumes not assessed and determined as deforestation- and conversion-free (DCF), indicate if you have taken actions in the reporting year to increase production or sourcing of DCF volumes.

	Actions taken to increase production or sourcing of DCF volumes
Palm oil	*Select from:* ☑ Yes

[Fixed row]

(8.11.1) Provide details of actions taken in the reporting year to assess and increase production/sourcing of deforestation- and conversion-free (DCF) volumes.

Palm oil

(8.11.1.1) Action type

Select from:

☑ Increasing traceability

(8.11.1.2) % of disclosure volume that is covered by this action

100

(8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

☑ Yes

(8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

☑ Greater stakeholder engagement and collaboration

☑ Greater transparency

☑ Investment in monitoring tools and traceability systems

☑ Improvement in data collection and quality

(8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

In 2023 we issued our Deforestation and biodiversity Policy. This lays out our commitment to prevent deforestation, conversion of native vegetation, and minimizing our impact on nature and the ecosystems in which operate within and near. This policy outlines our procurement strategy to select suppliers that have signed the Sustainable Pam Oil Roundtable (RSPO) code of conduct. (https://rspo.org/wp-content/uploads/CoC.pdf) We are working on an IT solution to improve our data collection and reporting in this area.

[Add row]

(8.12) Indicate if certification details are available for the commodity volumes sold to requesting CDP Supply Chain members.

Palm oil

(8.12.1) Third-party certification scheme adopted

Select from:
☑ Yes

(8.12.2) Certification details are available for the volumes sold to any requesting CDP Supply Chain members

Select from:
☑ No

(8.12.3) Primary reason certification details are not available for the volumes sold to any requesting CDP Supply Chain members

Select from:
☑ Insufficient data on what is sold to requesting member

(8.12.4) Explain why certification details are not available for the volumes sold to any requesting CDP Supply Chain members

Some certification is available for specific products where we use a mass balance approach to determine the certified palm oil source. We are developing processes to create full traceability of certified palm oil.
[Fixed row]

(8.13) Does your organization calculate the GHG emission reductions and/or removals from land use management and land use change that have occurred in your direct operations and/or upstream value chain?

	GHG emissions reductions and removals from land use management and land use change calculated	Primary reason your organization does not calculate GHG emissions reductions and removals from land use management and land use change	Explain why your organization does not calculate GHG emissions reductions and removals from land use management and land use change
Palm oil	*Select from:* ☑ No, and do not plan to do so in the next two years	*Select from:* ☑ Not an immediate strategic priority	*This is not a significant area for Solenis*

[Fixed row]

(8.14) Indicate if you assess your own compliance and/or the compliance of your suppliers with forest regulations and/or mandatory standards, and provide details.

(8.14.1) Assess legal compliance with forest regulations

Select from:

☑ Yes, from suppliers

(8.14.2) Aspects of legislation considered

Select all that apply

☑ Environmental protection

☑ Labor rights

☑ Human rights protected under international law

☑ Tax, anti-corruption, trade and customs regulations

(8.14.3) Procedure to ensure legal compliance

Select all that apply

☑ Supplier self-declaration

☑ Other, please specify

(8.14.5) Please explain

Suppliers are requested to accept Solenis Supplier Code of Conduct. Activity in progress to identify scope of application, make gap assessment, implement solutions to be compliant with EUDR and engage stakeholders, assess readiness and mitigate risks
[Fixed row]

(8.15) Do you engage in landscape (including jurisdictional) initiatives to progress shared sustainable land use goals?

(8.15.1) Engagement in landscape/jurisdictional initiatives

Select from:

☑ No, we do not engage in landscape/jurisdictional initiatives, and we do not plan to within the next two years

(8.15.2) Primary reason for not engaging in landscape/jurisdictional initiatives

Select from:

☑ Not an immediate strategic priority

(8.15.3) Explain why your organization does not engage in landscape/jurisdictional initiatives

This is not a significant area for Solenis
[Fixed row]

(8.16) Do you participate in any other external activities to support the implementation of policies and commitments related to deforestation, ecosystem conversion, or human rights issues in commodity value chains?

Select from:

☑ Yes

(8.16.1) Provide details of the external activities to support the implementation of your policies and commitments related to deforestation, ecosystem conversion, or human rights issues in commodity value chains

Row 1

(8.16.1.1) Commodity

Select all that apply

☑ Palm oil

(8.16.1.2) Activities

Select all that apply

☑ Involved in industry platforms

(8.16.1.3) Country/area

Select from:

☑ Worldwide

(8.16.1.4) Subnational area

Select from:

☑ Not applicable

(8.16.1.5) Provide further details of the activity

Solenis participates with a variety of industry groups that are advancing sustainable forest products. For instance, we have many products that are certified by organizations such as Nordic Swan, EU Ecolabel, and Cradle-to-Cradle, which require any palm kernel oil derivatives to be certified sustainable. We engage these organizations on those industry standards to ensure we are following best practices to prevent deforestation in our supply chain. We are also members of trade groups that share best practices and establish industry standards for product stewardship. Solenis is also an active member of Responsible Care, which helps reinforce our product sustainability goals.
[Add row]

(8.17) Is your organization supporting or implementing project(s) focused on ecosystem restoration and long-term protection?

Select from:

☑ No, but we plan to implement a project(s) within the next two years

C9. Environmental performance - Water security

(9.1) Are there any exclusions from your disclosure of water-related data?

Select from:
☑ No

(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

Water withdrawals – total volumes

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

Local water meters and invoices

(9.2.4) Please explain

Individual locations report to a central database

Water withdrawals – volumes by source

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

Local water meters and invoices

(9.2.4) Please explain

Individual locations report to a central database

Water withdrawals quality

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

No value in tracking water withdrawal quality at a corporate level

Water discharges – total volumes

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

Local water meters and invoices

(9.2.4) Please explain

Individual locations report to a central database

Water discharges – volumes by destination

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

Local water meters and invoices

(9.2.4) Please explain

Individual locations report to a central database

Water discharges – volumes by treatment method

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Treatment method not collated at a corporate level

Water discharge quality – by standard effluent parameters

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Water discharge quality not collated at a corporate level. Site comply with local permits and regulations

Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Water discharge quality not collated at a corporate level. Site comply with local permits and regulations

Water discharge quality – temperature

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Water discharge quality not collated at a corporate level. Site comply with local permits and regulations

Water consumption – total volume

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

Local water meters and invoices

(9.2.4) Please explain

Individual locations report to a central database

Water recycled/reused

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Not tracked at a corporate level

The provision of fully-functioning, safely managed WASH services to all workers

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

(9.2.4) Please explain

Not currently tracked at a corporate level although we expect to do this within the next two years
[Fixed row]

(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

Total withdrawals

(9.2.2.1) Volume (megaliters/year)

8142

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Mergers and acquisitions

(9.2.2.4) Five-year forecast

Select from:

☑ Lower

(9.2.2.5) Primary reason for forecast

Select from:
☑ Increase/decrease in efficiency

(9.2.2.6) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water withdrawal

Total discharges

(9.2.2.1) Volume (megaliters/year)

4928

(9.2.2.2) Comparison with previous reporting year

Select from:
☑ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:
☑ Mergers and acquisitions

(9.2.2.4) Five-year forecast

Select from:
☑ Lower

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

(9.2.2.6) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water withdrawal

Total consumption

(9.2.2.1) Volume (megaliters/year)

3214

(9.2.2.2) Comparison with previous reporting year

Select from:
☑ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:
☑ Mergers and acquisitions

(9.2.2.4) Five-year forecast

Select from:
☑ About the same

(9.2.2.5) Primary reason for forecast

Select from:
☑ Increase/decrease in business activity

(9.2.2.6) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water withdrawal

[Fixed row]

(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.

(9.2.4.1) Withdrawals are from areas with water stress

Select from:
☑ Yes

(9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

1189

(9.2.4.3) Comparison with previous reporting year

Select from:
☑ Higher

(9.2.4.4) Primary reason for comparison with previous reporting year

Select from:
☑ Mergers and acquisitions

(9.2.4.5) Five-year forecast

Select from:
☑ Lower

(9.2.4.6) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

(9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

14.60

(9.2.4.8) Identification tool

Select all that apply

☑ WRI Aqueduct

(9.2.4.9) Please explain

Sites identified as being in areas of high or extremely high water stress according to the WRI aqueduct tool are included in this value. The acquisitions of Clearon and Diversey have led to an increase of sites located in water stressed areas
[Fixed row]

(9.2.7) Provide total water withdrawal data by source.

Fresh surface water, including rainwater, water from wetlands, rivers, and lakes

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

851

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ About the same

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Mergers and acquisitions

(9.2.7.5) Please explain

Acquisitions have not impacted surface water volumes

Brackish surface water/Seawater

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

No brackish surface water

Groundwater – renewable

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

2169

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Mergers and acquisitions

(9.2.7.5) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water withdrawal

Groundwater – non-renewable

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

No non-renewable groundwater

Produced/Entrained water

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

No produced water

Third party sources

(9.2.7.1) Relevance

Select from:
☑ Relevant

(9.2.7.2) Volume (megaliters/year)

5122

(9.2.7.3) Comparison with previous reporting year

Select from:
☑ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:
☑ Mergers and acquisitions

(9.2.7.5) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water withdrawal
[Fixed row]

(9.2.8) Provide total water discharge data by destination.

Fresh surface water

(9.2.8.1) Relevance

Select from:
☑ Relevant

(9.2.8.2) Volume (megaliters/year)

2866

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Mergers and acquisitions

(9.2.8.5) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water discharge

Brackish surface water/seawater

(9.2.8.1) Relevance

Select from:

☑ Not relevant

(9.2.8.5) Please explain

No brackish surface water

Groundwater

(9.2.8.1) Relevance

Select from:

☑ Not relevant

(9.2.8.5) Please explain

No groundwater discharge

Third-party destinations

(9.2.8.1) Relevance

Select from:

☑ Relevant

(9.2.8.2) Volume (megaliters/year)

2062

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Mergers and acquisitions

(9.2.8.5) Please explain

The acquisitions of Clearon and Diversey have led to an increase in water discharge
[Fixed row]

(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

Direct operations

(9.3.1) Identification of facilities in the value chain stage

Select from:

☑ Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

(9.3.2) Total number of facilities identified

9

(9.3.3) % of facilities in direct operations that this represents

Select from:
☑ 1-25

(9.3.4) Please explain

Sites at risk of water stress and flooding

Upstream value chain

(9.3.1) Identification of facilities in the value chain stage

Select from:
☑ No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, but we are planning to do so in the next 2 years

(9.3.4) Please explain

We are planning to assess water related risks in our upstream value chain.
[Fixed row]

(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Row 1

(9.3.1.1) Facility reference number

Select from:

☑ Facility 1

(9.3.1.2) Facility name (optional)

Facility 1

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

South Africa

☑ Limpopo

(9.3.1.8) Latitude

-26.068369

(9.3.1.9) Longitude

28.179978

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

77

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

77

(9.3.1.21) Total water discharges at this facility (megaliters)

23

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

23

(9.3.1.27) Total water consumption at this facility (megaliters)

54

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☑ About the same

(9.3.1.29) Please explain

Site in South Africa in water stressed region

Row 2

(9.3.1.1) Facility reference number

Select from:

☑ Facility 2

(9.3.1.2) Facility name (optional)

Facility 2

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Australia

☑ Other, please specify **:**Australia East Coast

(9.3.1.8) Latitude

-37.932361

(9.3.1.9) Longitude

145.148343

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

12

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

12

(9.3.1.21) Total water discharges at this facility (megaliters)

32

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

32

(9.3.1.27) Total water consumption at this facility (megaliters)

-20

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☑ About the same

(9.3.1.29) Please explain

Site in Australia in water stressed region

Row 3

(9.3.1.1) Facility reference number

Select from:

☑ Facility 3

(9.3.1.2) Facility name (optional)

Facility 3

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Australia

☑ Other, please specify :Australia West Coast

(9.3.1.8) Latitude

-32.211804

(9.3.1.9) Longitude

115.77677

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

21

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

21

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

21

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☑ About the same

(9.3.1.29) Please explain

Site in Australia in water stressed region

Row 4

(9.3.1.1) Facility reference number

Select from:

☑ Facility 4

(9.3.1.2) Facility name (optional)

Facility 4

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

China

☑ Other, please specify **:**China Coast, Lake Tail Hu

(9.3.1.8) Latitude

31.080525

(9.3.1.9) Longitude

121.378888

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

37

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

37

(9.3.1.21) Total water discharges at this facility (megaliters)

9

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

9

(9.3.1.27) Total water consumption at this facility (megaliters)

28

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:
☑ Higher

(9.3.1.29) Please explain

Site in China in water stressed region

Row 5

(9.3.1.1) Facility reference number

Select from:
☑ Facility 5

(9.3.1.2) Facility name (optional)

Facility 5

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Indonesia

☑ Brantas

(9.3.1.8) Latitude

-7.435365

(9.3.1.9) Longitude

112.462523

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

5

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

5

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

5

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☑ About the same

(9.3.1.29) Please explain

Site in Indonesia in water stressed region

Row 6

(9.3.1.1) Facility reference number

Select from:

☑ Facility 6

(9.3.1.2) Facility name (optional)

Facility 6

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Indonesia

☑ Other, please specify **:**Indonesia Citarum

(9.3.1.8) Latitude

-6.390004

(9.3.1.9) Longitude

107.342943

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

5

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

5

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

5

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☑ About the same

(9.3.1.29) Please explain

Site in Indonesia in water stressed region

Row 7

(9.3.1.1) Facility reference number

Select from:

☑ Facility 7

(9.3.1.2) Facility name (optional)

Facility 7

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Mexico

☑ Other, please specify :Mexico - Rio Lerma

(9.3.1.8) Latitude

19.386271

(9.3.1.9) Longitude

-99.566081

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

4

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

4

(9.3.1.21) Total water discharges at this facility (megaliters)

2

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

2

(9.3.1.27) Total water consumption at this facility (megaliters)

2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:
☑ About the same

(9.3.1.29) Please explain

Site in Mexico in water stressed region

Row 8

(9.3.1.1) Facility reference number

Select from:
☑ Facility 8

(9.3.1.2) Facility name (optional)

Facility 8

(9.3.1.3) Value chain stage

Select from:
☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Peru

☑ Other, please specify **:**Peru Pacific Coast

(9.3.1.8) Latitude

-12.28052

(9.3.1.9) Longitude

-76.86407

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

4

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

4

(9.3.1.21) Total water discharges at this facility (megaliters)

1

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

1

(9.3.1.27) Total water consumption at this facility (megaliters)

3

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:
☑ About the same

(9.3.1.29) Please explain

Site in Peru in water stressed region

Row 9

(9.3.1.1) Facility reference number

Select from:
☑ Facility 9

(9.3.1.2) Facility name (optional)

Facility 9

(9.3.1.3) Value chain stage

Select from:

☑ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☑ Risks

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☑ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Taiwan, China

☑ Other, please specify **:**Taan/Tachia River

(9.3.1.8) Latitude

23.937037

(9.3.1.9) Longitude

120.665263

(9.3.1.10) Located in area with water stress

Select from:

☑ Yes

(9.3.1.13) Total water withdrawals at this facility (megaliters)

24

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☑ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

24

(9.3.1.21) Total water discharges at this facility (megaliters)

10

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:
☑ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

10

(9.3.1.27) Total water consumption at this facility (megaliters)

14

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:
☑ About the same

(9.3.1.29) Please explain

Site in Taiwan in water stressed region
[Add row]

(9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified?

Water withdrawals – total volumes

(9.3.2.1) % verified

Select from:

☑ 76-100

(9.3.2.2) Verification standard used

ISAE3000

Water withdrawals – volume by source

(9.3.2.1) % verified

Select from:

☑ Not verified

(9.3.2.3) Please explain

Limited assurance process looks at total volume only.

Water withdrawals – quality by standard water quality parameters

(9.3.2.1) % verified

Select from:

☑ Not relevant

(9.3.2.3) Please explain

Water withdrawals quality not reported

Water discharges – total volumes

(9.3.2.1) % verified

Select from:
☑ 76-100

(9.3.2.2) Verification standard used

ISAE3000

Water discharges – volume by destination

(9.3.2.1) % verified

Select from:
☑ Not verified

(9.3.2.3) Please explain

Limited assurance process looks at total volume only.

Water discharges – volume by final treatment level

(9.3.2.1) % verified

Select from:
☑ Not verified

(9.3.2.3) Please explain

Data on water treatment level is not collected centrally

Water discharges – quality by standard water quality parameters

(9.3.2.1) % verified

Select from:
☑ Not relevant

(9.3.2.3) Please explain

Water discharge quality not reported

Water consumption – total volume

(9.3.2.1) % verified

Select from:
☑ 76-100

(9.3.2.2) Verification standard used

ISAE3000
[Fixed row]

(9.4) Could any of your facilities reported in 9.3.1 have an impact on a requesting CDP supply chain member?

Select from:
☑ We do not have this data but we intend to collect it within two years

(9.5) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue (currency)	Total water withdrawal efficiency	Anticipated forward trend
	7264200000	*892188.65*	*We expect our water intensity to decrease as we are targeting water reductions in our production sites*

[Fixed row]

(9.6) Do you calculate water intensity for your activities in the chemical sector?

Select from:

☑ No, but we intend to do so within the next two years

(9.12) Provide any available water intensity values for your organization's products or services.

Row 1

(9.12.1) Product name

Specialty Chemicals

(9.12.2) Water intensity value

4.2

(9.12.3) Numerator: Water aspect

Select from:

☑ Water withdrawn

(9.12.4) Denominator

Production Volume (metric tonnes)

(9.12.5) Comment

Water withdrawal intensity in m3/metric tonne product produced

Row 2

(9.12.1) Product name

Specialty Chemicals

(9.12.2) Water intensity value

1.6

(9.12.3) Numerator: Water aspect

Select from:

☑ Water consumed

(9.12.4) Denominator

Production Volume (metric tonnes)

(9.12.5) Comment

Water withdrawal intensity in m3/metric tonne product produced
[Add row]

(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances
	Select from: ☑ Yes

[Fixed row]

(9.13.1) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Row 1

(9.13.1.1) Regulatory classification of hazardous substances

Select from:

☑ Annex XVII of EU REACH Regulation

(9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☑ More than 80%

(9.13.1.3) Please explain

We are in the process of integrating data for the Solenis and acquired Diversey businesses, therefore this is out best estimate of the %.

Row 2

(9.13.1.1) Regulatory classification of hazardous substances

Select from:

☑ Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight (EU Regulation)

(9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☑ Less than 10%

(9.13.1.3) Please explain

We are in the process of integrating data for the Solenis and acquired Diversey businesses, therefore this is out best estimate of the %.

Row 4

(9.13.1.1) Regulatory classification of hazardous substances

Select from:

☑ Annex XIV of UK REACH Regulation

(9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☑ More than 80%

(9.13.1.3) Please explain

We are in the process of integrating data for the Solenis and acquired Diversey businesses, therefore this is out best estimate of the %.

Row 5

(9.13.1.1) Regulatory classification of hazardous substances

Select from:

☑ Candidate List of Substances of Very High Concern (UK Regulation)

(9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☑ Less than 10%

(9.13.1.3) Please explain

We are in the process of integrating data for the Solenis and acquired Diversey businesses, therefore this is out best estimate of the %.

Row 6

(9.13.1.1) Regulatory classification of hazardous substances

Select from:

☑ Brazilian Regulatory Standards

(9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☑ 41-60

(9.13.1.3) Please explain

We are in the process of integrating data for the Solenis and acquired Diversey businesses, therefore this is out best estimate of the %.
[Add row]

(9.14) Do you classify any of your current products and/or services as low water impact?

(9.14.1) Products and/or services classified as low water impact

Select from:

☑ Yes

(9.14.2) Definition used to classify low water impact

We manufacture a wide range of products aimed at improving the water efficiency of our customers. track these benefits through our Value Advantage program. The ValueAdvantage partner program is Solenis' value delivery program for our Consumer Solutions and Industrial Solutions customers. It enables Solenis to quantify the carbon "handprint" of projects conducted with our customers, documenting sustainability savings at the project level. The program was developed to identify, document and measure the value we bring to our customers' businesses with our chemistry, support, service and expertise. Much of the value we create for customers is driven by our ability to help them reach their sustainability goals, such as minimizing water and energy usage, reducing their carbon footprint and limiting waste. In 2023, we achieved 270 million of value for our customers globally. The internal Solenis ValueAdvantage database contains hundreds of improvement projects which are searchable by industry and application providing our global salesforce with a comprehensive pipeline of best practices. This approach accelerates the learning curve for new Solenis representatives as the process for each project is clearly outlined and contains real world examples. Value calculators have been developed and are continuously updated to enable consistent and uniform tracking of the sustainability impact at our customer sites to ensure that we are delivering the value we promise. The program also serves as a useful tool to identify initiatives that are sustainability successes and help our customers to identify additional opportunities to reduce their environmental footprint.

(9.14.4) Please explain

Details and examples can be found in our sustainability report in the Impact Through our Customers Section.
https://www.solenis.com/globalassets/resources/sustainability--regulatory-library/230064-pc-2023sustainabilityreportwb.pdf
[Fixed row]

(9.15) Do you have any water-related targets?

Select from:
☑ Yes

(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

Water pollution

(9.15.1.1) Target set in this category

Select from:
☑ No, and we do not plan to within the next two years

(9.15.1.2) Please explain

We currently do not collate water pollution data at a corporate level. Our priority in the next two years is to establish robust reporting in this area. this data will then be reviewed and appropriate targets proposed.

Water withdrawals

(9.15.1.1) Target set in this category

Select from:
☑ Yes

Water, Sanitation, and Hygiene (WASH) services

(9.15.1.1) Target set in this category

Select from:

☑ No, but we plan to within the next two years

(9.15.1.2) Please explain

We plan to set targets in the next two years

Other

(9.15.1.1) Target set in this category

Select from:

☑ Yes

[Fixed row]

(9.15.2) Provide details of your water-related targets and the progress made.

Row 1

(9.15.2.1) Target reference number

Select from:

☑ Target 1

(9.15.2.2) Target coverage

Select from:

☑ Organization-wide (direct operations only)

(9.15.2.3) Category of target & Quantitative metric

Water consumption

☑ Reduction in total water consumption

(9.15.2.4) Date target was set

06/30/2020

(9.15.2.5) End date of base year

09/29/2018

(9.15.2.6) Base year figure

1996

(9.15.2.7) End date of target year

09/29/2030

(9.15.2.8) Target year figure

1896

(9.15.2.9) Reporting year figure

2734

(9.15.2.10) Target status in reporting year

Select from:

☑ Underway

(9.15.2.11) % of target achieved relative to base year

-738

(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☑ None, alignment not assessed

(9.15.2.13) Explain target coverage and identify any exclusions

The water consumption figure covers the heritage Solenis business only.

(9.15.2.14) Plan for achieving target, and progress made to the end of the reporting year

Much of our water consumption is in North America and a dedicated water management team has been established to target water savings. In 2023 this team achieved savings of 60 megalitres and have identified other significant water reduction initiatives. Consumption has increased mainly due to the acquisition of the Clearon business which consumes a high volume of water.

(9.15.2.16) Further details of target

This water target will be retired in 2024 and replaced with revised targets better suited to the combined Solenis an Diversey businesses.

Row 2

(9.15.2.1) Target reference number

Select from:

☑ Target 2

(9.15.2.2) Target coverage

Select from:

☑ Organization-wide (direct operations only)

(9.15.2.3) Category of target & Quantitative metric

Product use phase

☑ Increase in revenue from products designed for use phase resource efficiency

(9.15.2.4) Date target was set

06/30/2020

(9.15.2.5) End date of base year

09/29/2018

(9.15.2.6) Base year figure

80

(9.15.2.7) End date of target year

09/29/2030

(9.15.2.8) Target year figure

90

(9.15.2.9) Reporting year figure

85

(9.15.2.10) Target status in reporting year

Select from:

☑ Underway

(9.15.2.11) % of target achieved relative to base year

50

(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☑ None, alignment not assessed

(9.15.2.13) Explain target coverage and identify any exclusions

Target covers whole business

(9.15.2.14) Plan for achieving target, and progress made to the end of the reporting year

By prioritizing innovation projects on customers sustainability goals

(9.15.2.16) Further details of target

The target is a combined energy and water target focussing on supporting our customers sustainability goals
[Add row]

C10. Environmental performance - Plastics

(10.1) Do you have plastics-related targets, and if so what type?

(10.1.1) Targets in place

Select from:

☑ Yes

(10.1.2) Target type and metric

Plastic packaging

☑ Eliminate single-use plastic packaging

☑ Eliminate problematic and unnecessary plastic packaging

☑ Increase the proportion of plastic packaging that is reusable

☑ Reduce the total weight of virgin content in plastic packaging

☑ Increase the proportion of plastic packaging that is compostable

☑ Reduce the total weight of plastic packaging used and/or produced

☑ Increase the proportion of post-consumer recycled content in plastic packaging

☑ Increase the proportion of plastic packaging that is recyclable in practice and at scale

☑ Increase the proportion of renewable content from responsibly managed sources in plastic packaging

(10.1.3) Please explain

Solenis is committed to reducing our packaging footprint through a variety of initiatives to reduce the amount of packaging, increase the amount of recycled content, increase recyclability, and promote re-use. By 2030, our goal is to also ensure that 100% of our packaging efforts contribute to a circular economy. Through innovations focused on resource efficiency, we work towards efficiently managing our waste and enabling our customers to do so as well. By increasing recyclability or the use of recycled materials, we are working towards increasing our packaging efficiency. Since 2020, we have been using a single metric to measure the outcomes of our circularity initiatives. Our metric is a variation of the Material Circularity Index (MCI) Care – Social Responsibility developed by Ellen MacArthur Foundation and Granta Design.

[Fixed row]

(10.2) Indicate whether your organization engages in the following activities.

Production/commercialization of plastic polymers (including plastic converters)

(10.2.1) Activity applies

Select from:

☑ No

(10.2.2) Comment

N/A

Production/commercialization of durable plastic goods and/or components (including mixed materials)

(10.2.1) Activity applies

Select from:

☑ No

(10.2.2) Comment

N/A

Usage of durable plastics goods and/or components (including mixed materials)

(10.2.1) Activity applies

Select from:

☑ Yes

(10.2.2) Comment

Mainly for our Taski business

Production/commercialization of plastic packaging

(10.2.1) Activity applies

Select from:
☑ No

(10.2.2) Comment

N/A

Production/commercialization of goods/products packaged in plastics

(10.2.1) Activity applies

Select from:
☑ Yes

(10.2.2) Comment

Mainly plastic packaging for our products

Provision/commercialization of services that use plastic packaging (e.g., food services)

(10.2.1) Activity applies

Select from:
☑ No

(10.2.2) Comment

N/A

Provision of waste management and/or water management services

(10.2.1) Activity applies

Select from:

☑ No

(10.2.2) Comment

N/A

Provision of financial products and/or services for plastics-related activities

(10.2.1) Activity applies

Select from:

☑ No

(10.2.2) Comment

N/A

Other activities not specified

(10.2.1) Activity applies

Select from:

☑ No

(10.2.2) Comment

N/A
[Fixed row]

(10.4) Provide the total weight of plastic durable goods and durable components produced, sold and/or used, and indicate the raw material content.

Durable goods and durable components used

(10.4.2) Raw material content percentages available to report

Select all that apply

☑ None

(10.4.7) Please explain

Solenis acquired the Diversey business in 2023 which includes the Taski floor cleaning machines business. These machines use durable plastics but due to the integration process we are currently unable to report total weight of plastic used. We are developing process to gather this information.
[Fixed row]

(10.5) Provide the total weight of plastic packaging sold and/or used and indicate the raw material content.

Plastic packaging used

(10.5.1) Total weight during the reporting year (Metric tons)

30076

(10.5.2) Raw material content percentages available to report

Select all that apply

☑ % virgin fossil-based content

☑ % virgin renewable content

(10.5.3) % virgin fossil-based content

99

(10.5.4) % virgin renewable content

0

(10.5.7) Please explain

This covers the packaging material used in Europe, North America, Latin America, UK and Turkey. It excludes South Aftrica, Asia Pacific and India. Also excluded is packaging used in our Taski and Pool solutions businesses. The % of virgin fossil based content is a weighted average of the data from Europe, North America, South America and Turkey. Our North American business uses 3% pre-consumer recycled content. We are developing process to gather the missing information. [Fixed row]

(10.5.1) Indicate the circularity potential of the plastic packaging you sold and/or used.

Plastic packaging used

(10.5.1.1) Percentages available to report for circularity potential

Select all that apply

☑ % reusable

☑ % technically recyclable

☑ % recyclable in practice and at scale

(10.5.1.2) % of plastic packaging that is reusable

40

(10.5.1.3) % of plastic packaging that is technically recyclable

88

(10.5.1.4) % of plastic packaging that is recyclable in practice at scale

60

(10.5.1.5) Please explain

The circularity values are based on the information from European business
[Fixed row]

C11. Environmental performance - Biodiversity

(11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

(11.2.1) Actions taken in the reporting period to progress your biodiversity-related commitments

Select from:

☑ Yes, we are taking actions to progress our biodiversity-related commitments

(11.2.2) Type of action taken to progress biodiversity- related commitments

Select all that apply

☑ Land/water protection

[Fixed row]

(11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?
	Select from: ☑ No, we do not use indicators, but plan to within the next two years

[Fixed row]

(11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

Legally protected areas

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

☑ Yes (partial assessment)

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.

UNESCO World Heritage sites

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

☑ No

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.

UNESCO Man and the Biosphere Reserves

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

☑ No

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.

Ramsar sites

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

☑ Yes

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.

Key Biodiversity Areas

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

☑ Yes (partial assessment)

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.

Other areas important for biodiversity

(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:
☑ Yes (partial assessment)

(11.4.2) Comment

Sites report annually on their potential impact on area important to biodiversity. This is backed up by screening site locations against published biodiversity location data.
[Fixed row]

(11.4.1) Provide details of your organization's activities in the reporting year located in or near to areas important for biodiversity.

Row 1

(11.4.1.2) Types of area important for biodiversity

Select all that apply
☑ Ramsar sites
☑ Other areas important for biodiversity

(11.4.1.4) Country/area

Select from:
☑ United Kingdom of Great Britain and Northern Ireland

(11.4.1.5) Name of the area important for biodiversity

Humber Estuary

(11.4.1.6) Proximity

Select from:
☑ Adjacent

(11.4.1.8) Briefly describe your organization’s activities in the reporting year located in or near to the selected area

Chemical manufacturing plant

(11.4.1.9) Indicate whether any of your organization’s activities located in or near to the selected area could negatively affect biodiversity

Select from:

☑ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☑ Physical controls

☑ Operational controls

☑ Abatement controls

(11.4.1.11) Explain how your organization’s activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

An uncontrolled release of chemicals could impact the Humber Estuary and site of special scientific interest. The site is fully contained including the collection and testing of surface water before it is discharged. The site operates under an Environment Permit.

Row 2

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☑ Key Biodiversity Areas

(11.4.1.4) Country/area

Select from:

☑ Germany

(11.4.1.5) Name of the area important for biodiversity

Nahe valley

(11.4.1.6) Proximity

Select from:
☑ Adjacent

(11.4.1.8) Briefly describe your organization’s activities in the reporting year located in or near to the selected area

Chemical manufacturing plant

(11.4.1.9) Indicate whether any of your organization’s activities located in or near to the selected area could negatively affect biodiversity

Select from:
☑ No

(11.4.1.11) Explain how your organization’s activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

No impact

Row 3

(11.4.1.2) Types of area important for biodiversity

Select all that apply
☑ Other areas important for biodiversity

(11.4.1.4) Country/area

Select from:

☑ United States of America

(11.4.1.5) Name of the area important for biodiversity

Hiawaswe River

(11.4.1.6) Proximity

Select from:
☑ Adjacent

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Chemical manufacturing plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:
☑ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply
☑ Physical controls
☑ Operational controls
☑ Abatement controls

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

An uncontrolled release of chemicals could impact the river. The site has controls in place and operates under an Environment Permit.

Row 4

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☑ Other areas important for biodiversity

(11.4.1.4) Country/area

Select from:

☑ United States of America

(11.4.1.5) Name of the area important for biodiversity

Nottoway River

(11.4.1.6) Proximity

Select from:

☑ Adjacent

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Chemical manufacturing plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

☑ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☑ Physical controls

☑ Operational controls

☑ Abatement controls

(11.4.1.11) Explain how your organization’s activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

The site discharges water to a canal that empties into the Nottoway River. The site has controls in place to prevent discharge. The site operates under an Environment Permit.
[Add row]

C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: ☑ Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☑ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Climate change

☑ Other data point in module 7, please specify **:**Section 7.30.1 Total energy consumption

(13.1.1.3) Verification/assurance standard

General standards

☑ ASAE 3000

(13.1.1.4) Further details of the third-party verification/assurance process

Limited Assurance

(13.1.1.5) Attach verification/assurance evidence/report (optional)

ERM CVS – Limited Assurance Report for Solenis.pdf
[Add row]

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Chief Sustainability Officer

(13.3.2) Corresponding job category

Select from:

☑ Chief Sustainability Officer (CSO)

[Fixed row]

(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

Select from:

☑ Yes, CDP may share our Disclosure Submission Lead contact details with the Pacific Institute