

SAFETY DATA SHEET

Date of issue/Date of revision

: 16 June 2025

Version

: 7.01



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : SIGMA SAILADVANCE DX SPRUCEGREEN

Product code : 00387006

Other means of identification

Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Professional applications, Used by spraying.

**Use of the substance/
mixture** : Antifouling products

Uses advised against : Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

Sigma Paint Saudi Arabia Ltd.
PO Box 7509
Dammam 31472
Saudi Arabia
Tel: 00966 138 47 31 00
Fax: 00966 138 47 17 34

**e-mail address of person
responsible for this SDS** : ndpic@sfd.a.gov.sa

**1.4 Emergency telephone
number** : 00966 138473100 extn 1001

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226
Acute Tox. 4, H302
Acute Tox. 4, H332
Skin Irrit. 2, H315
Eye Dam. 1, H318
Skin Sens. 1, H317
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 2: Hazards identification

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: Flammable liquid and vapour.
Harmful if swallowed or if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.

Response

: Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

: Not applicable.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.
P280, P210, P273, P391, P305 + P351 + P338, P501

Hazardous ingredients

: ☒ Copper oxide; rosin; 4,5-dichloro-2-octyl-2H-isothiazol-3-one; Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine and octhlinone (ISO)

Supplemental label elements

: ☒ Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Not applicable.

Tactile warning of danger

: Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: Prolonged or repeated contact may dry skin and cause irritation.

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Type |
|---|--|-------------|--|--|---------|
| copper oxide | REACH #: 01-2119513794-36 EC: 215-270-7 CAS: 1317-39-1 Index: 029-002-00-X | ≥25 - ≤50 | Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ATE [Oral] = 500 mg/kg ATE [Inhalation (dusts and mists)] = 3.34 mg/l M [Acute] = 100 M [Chronic] = 10 | [1] [2] |
| zinc oxide | REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 | ≥10 - ≤25 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M [Acute] = 1 M [Chronic] = 1 | [1] |
| xylene | REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 | ≥5.0 - ≤10 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l | [1] [2] |
| Hydrocarbons, C9, aromatics > 0.1% cumene | REACH #: 01-2119455851-35 EC: 918-668-5 CAS: 128601-23-0 | ≥5.0 - ≤7.8 | Flam. Liq. 3, H226 Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 | Carc. 1B, H350: C ≥ 10% | [1] [2] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≥5.0 - <10 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Inhalation (vapours)] = 17.8 mg/l | [1] [2] |
| rosin | REACH #: 01-2119480418-32 EC: 232-475-7 CAS: 8050-09-7 Index: 650-015-00-7 | ≥5.0 - ≤10 | Skin Sens. 1, H317 | - | [1] [2] |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | EC: 264-843-8 CAS: 64359-81-5 Index: 613-335-00-8 | ≤1.9 | Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 | ATE [Oral] = 567 mg/kg ATE [Dermal] = 1100 mg/kg ATE [Inhalation (dusts and mists)] = 0.16 mg/l Skin Corr. 1, H314: C ≥ 5% Skin Irrit. 2, H315: 0.025% ≤ C < 5% Eye Dam. 1, H318: C | [1] |

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 3: Composition/information on ingredients

| | | | | | |
|---|--|-------------|--|--|---------|
| copper(II) oxide | REACH #: 01-2119502447-44 EC: 215-269-1 CAS: 1317-38-0 Index: 029-016-00-6 | ≥1.0 - ≤5.0 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ≥ 3% Eye Irrit. 2, H319: 0.025% ≤ C < 3% Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100 | [1] |
| copper | REACH #: 01-2119480154-42 EC: 231-159-6 CAS: 7440-50-8 | <1.0 | Aquatic Acute 1, H400 Aquatic Chronic 3, H412 | M [Acute] = 1 | [1] |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | REACH #: 01-2119979085-27 EC: 309-629-8 CAS: 100545-48-0 | ≤0.30 | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 | - | [1] |
| TRIISOPROPYLSILYL ACRYLATE | EC: 457-670-6 CAS: 157859-20-6 | ≤0.10 | Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M [Acute] = 10 M [Chronic] = 10 | [1] |
| lead monoxide | EC: 215-267-0 CAS: 1317-36-8 Index: 082-001-00-6 | ≤0.10 | Acute Tox. 4, H302 Acute Tox. 4, H332 Repr. 1A, H360Df STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ATE [Oral] = 500 mg/ kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l Repr. 2, H361f: C ≥ 2.5% STOT RE 2, H373: C ≥ 0.5% M [Acute] = 10 M [Chronic] = 1 | [1] [2] |
| octhlinone (ISO) | EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5 | <0.0010 | Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 See Section 16 for the full text of the H statements declared above. | ATE [Oral] = 125 mg/ kg ATE [Dermal] = 311 mg/kg ATE [Inhalation (dusts and mists)] = 0.27 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100 | [1] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene.

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 3: Composition/information on ingredients

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : Harmful if inhaled.
- Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
dryness
cracking
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
sulfur oxides
halogenated compounds
metal oxide/oxides
oxides of lead

5.3 Advice for firefighters

Special precautions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 6: Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- 7.2 Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

| | | |
|---|--|--|
| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 | | |
| Code : 00387006 | Date of issue/Date of revision : 16 June 2025 | |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | |
| SECTION 8: Exposure controls/personal protection | | |
| The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s). | | |
| 8.1 Control parameters | | |
| Occupational exposure limits | | |
| Product/ingredient name | Exposure limit values | |
| copper oxide | Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [copper fume] TWA 8 hours: 0.2 mg/m³. Form: fumes. | |
| zinc oxide | ACGIH TLV (United States, 1/2024) [copper fume] TWA 8 hours: 0.2 mg/m³. Form: Fume. | |
| xylene | Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) STEL 15 minutes: 10 mg/m³. Form: measured as respirable fraction of the aerosol and fume. TWA 8 hours: 2 mg/m³. Form: measured as respirable fraction of the aerosol and fume. | |
| | Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) TWA 8 hours: 5 mg/m³. Form: fumes. STEL 15 minutes: 10 mg/m³. Form: fumes. | |
| | ACGIH TLV (United States, 1/2024) TWA 8 hours: 2 mg/m³. Form: Respirable fraction. STEL 15 minutes: 10 mg/m³. Form: Respirable fraction. | |
| | Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [xylene (o, m & p isomers)] A4. STEL 15 minutes: 651 mg/m³. STEL 15 minutes: 150 ppm. TWA 8 hours: 434 mg/m³. TWA 8 hours: 100 ppm. | |
| | Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [xylene (all isomers)] STEL 15 minutes: 150 ppm. TWA 8 hours: 434 mg/m³. STEL 15 minutes: 651 mg/m³. TWA 8 hours: 100 ppm. | |
| | ACGIH TLV (United States, 1/2024) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant. TWA 8 hours: 20 ppm. | |
| ethylbenzene | Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) A3. STEL 15 minutes: 543 mg/m³. STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. TWA 8 hours: 434 mg/m³. | |
| | Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) STEL 15 minutes: 125 ppm. TWA 8 hours: 434 mg/m³. STEL 15 minutes: 543 mg/m³. TWA 8 hours: 100 ppm. | |
| | ACGIH TLV (United States, 1/2024) A3. Ototoxicant. TWA 8 hours: 20 ppm. | |
| rosin | Abu Dhabi - OSHAD - Occupational air quality threshold limit | |
| English (GB) United Arab Emirates 8/20 | | |

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 8: Exposure controls/personal protection

| | |
|------------------------|--|
| 1,2,4-trimethylbenzene | <p>values (United Arab Emirates, 7/2016) Sensitiser , Keep exposure as low as possible.</p> <p>ACGIH TLV (United States, 1/2024) [resin acids] Skin sensitiser , Inhalation sensitiser.</p> <p>TWA 8 hours: 0.001 mg/m³ (as total Resin acids). Form: Inhalable fraction.</p> <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [trimethyl benzene (mixed isomers)]</p> <p>TWA 8 hours: 123 mg/m³.</p> <p>TWA 8 hours: 25 ppm.</p> <p>ACGIH TLV (United States, 1/2024) A4.</p> <p>TWA 8 hours: 10 ppm.</p> |
| titanium dioxide | <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) A4.</p> <p>TWA 8 hours: 10 mg/m³.</p> <p>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)</p> <p>TWA 8 hours: 10 mg/m³.</p> <p>ACGIH TLV (United States, 1/2024) A3.</p> <p>TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles.</p> |
| copper(II) oxide | <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [copper fume]</p> <p>TWA 8 hours: 0.2 mg/m³. Form: fumes.</p> <p>ACGIH TLV (United States, 1/2024) [copper fume]</p> <p>TWA 8 hours: 0.2 mg/m³. Form: Fume.</p> |
| Zeolites | <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [aluminum metal and insoluble compounds] A4.</p> <p>TWA 8 hours: 1 mg/m³. Form: measured as respirable fraction of the aerosol.</p> <p>ACGIH TLV (United States, 1/2024) [Aluminum, metal and insoluble compounds] A4.</p> <p>TWA 8 hours: 1 mg/m³. Form: Respirable fraction.</p> |
| copper | <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [copper dusts and mists]</p> <p>TWA 8 hours: 1 mg/m³ (as Cu). Form: dusts and mists.</p> <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [copper fume]</p> <p>TWA 8 hours: 0.2 mg/m³. Form: fumes.</p> <p>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)</p> <p>TWA 8 hours: 0.2 mg/m³. Form: fumes.</p> <p>TWA 8 hours: 1 mg/m³. Form: dusts.</p> <p>ACGIH TLV (United States, 1/2024) [copper dusts and mists]</p> <p>TWA 8 hours: 1 mg/m³ (as Cu). Form: Dusts and mists.</p> <p>ACGIH TLV (United States, 1/2024) [copper fume]</p> <p>TWA 8 hours: 0.2 mg/m³. Form: Fume.</p> |
| lead monoxide | <p>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [lead and inorganic compounds] A3.</p> <p>TWA 8 hours: 0.05 mg/m³ (as Pb).</p> <p>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [lead (compounds inorganic)] C3.</p> <p>TWA 8 hours: 0.05 mg/m³ (as Pb).</p> |

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 8: Exposure controls/personal protection

Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [inorganic lead]

TWA 8 hours: 0.05 mg/m³. Form: dusts.

ACGIH TLV (United States, 1/2024) [Lead and inorganic compounds] A3.

TWA 8 hours: 0.05 mg/m³ (as Pb).

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Chemical splash goggles and face shield.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Gloves : butyl rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

| | | | |
|----------------------------------|------------|--------------------------------|----------------|
| Code | : 00387006 | Date of issue/Date of revision | : 16 June 2025 |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | | |

SECTION 8: Exposure controls/personal protection

| | | |
|---------------------------------|---|--|
| Respiratory protection | : | |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Colour

Odour

Odour threshold

Melting point/freezing point

Initial boiling point and boiling range

Flammability

Upper/lower flammability or explosive limits

Flash point

Auto-ignition temperature

: Liquid.

: Green.

: Aromatic. [Slight]

: Not available.


: Not determined.

: >37.78°C

: Not determined. There are no data available on the mixture itself.

: Not available.

: Closed cup: 25°C

| Ingredient name | °C | °F | Method |
|---|-----|-------|--------|
|  ylene | 432 | 809.6 | |

Decomposition temperature

pH


Viscosity

Viscosity

Solubility(ies)

: Stable under recommended storage and handling conditions (see Section 7).

: Not applicable. insoluble in water.

ynamic (room temperature): Not available.

Kinematic (room temperature): Not available.

Kinematic (40°C): >21 mm²/s

: > 100 s (ISO 6mm)


:

| Media | Result |
|------------|-------------|
| cold water | Not soluble |

Partition coefficient: n-octanol/ water

Vapour pressure

: Not applicable.

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|--|-------------------------|-----|--------|-------------------------|-----|--------|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
|  ethylbenzene | 9.30076 | 1.2 | | | | |

Relative density

Explosive properties

Oxidising properties

Particle characteristics

Median particle size

: 1.8

: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.

: Product does not present an oxidizing hazard.

:

: Not applicable.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Code : 00387006

Date of issue/Date of revision : 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 9: Physical and chemical properties

9.2 Other information

Explosive properties

The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.

Oxidising properties

Product does not present an oxidizing hazard.

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.
Refer to protective measures listed in sections 7 and 8.

10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions:
oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products

Depending on conditions, decomposition products may include the following materials:
carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.

Harmful if swallowed or if inhaled.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

Acute toxicity

| Product/ingredient name | Result | Dose / Exposure |
|---|---|-----------------------|
| <div><div></div>copper oxide</div> | Rat - Oral - LD50 | 500 mg/kg |
| | Rat - Dermal - LD50 | >2000 mg/kg |
| | Rat - Inhalation - LC50 Dusts and mists | 3.34 mg/l [4 hours] |
| <div>zinc oxide</div> | Rat - Oral - LD50 | >5000 mg/kg |
| | Rat - Dermal - LD50 | >2000 mg/kg |
| | Rat - Inhalation - LC50 Dusts and mists | >5700 mg/m³ [4 hours] |
| <div>XYLENES</div> | Rat - Oral - LD50 | 4.3 g/kg |
| | Rabbit - Dermal - LD50 | 1.7 g/kg |
| <div>Hydrocarbons, C9, aromatics</div> | Rat - Female - Oral - LD50 | 3492 mg/kg |
| | Rabbit - Dermal - LD50 | >3160 mg/kg |
| <div>ethylbenzene</div> | Rat - Oral - LD50 | 3.5 g/kg |
| | Rabbit - Dermal - LD50 | 17.8 g/kg |
| | Rat - Inhalation - LC50 Vapour | 17.8 mg/l [4 hours] |
| <div>rosin</div> | Rat - Oral - LD50 | 7600 mg/kg |
| | Rat - Dermal - LD50 | >2000 mg/kg |
| <div>4,5-dichloro-2-octyl-2H-isothiazol-3-one</div> | Rat - Oral - LD50 | 567 mg/kg |
| | Rabbit - Dermal - LD50 | 3.9 g/kg |

English (GB)

United Arab Emirates

12/20

Code : 00387006

Date of issue/Date of revision

: 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 11: Toxicological information

| | | |
|---|---|----------------------|
| copper(II) oxide COPPER Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine ***TO BE TRANSLATED*** (157859-20-6) othililnone (ISO) | Rat - Inhalation - LC50 Dusts and mists | 0.16 mg/l [4 hours] |
| | Rat - Oral - LD50 | >2000 mg/kg |
| | Rat - Inhalation - LC50 Dusts and mists | >5.11 mg/l [4 hours] |
| | Rat - Oral - LD50 | >2000 mg/kg |
| | Rat - Inhalation - LC50 Dusts and mists | 5.05 mg/l [4 hours] |
| | Rat - Oral - LD50 | 2500 mg/kg |
| | Rat - Oral - LD50 | 125 mg/kg |
| | Rabbit - Dermal - LD50 | 311 mg/kg |
| | Rat - Inhalation - LC50 Dusts and mists | 0.27 mg/l [4 hours] |

Acute toxicity estimates

| Route | ATE value |
|------------------------------|----------------|
| Oral | 1264.21 mg/kg |
| Dermal | 14547.25 mg/kg |
| Inhalation (vapours) | 86.3 mg/l |
| Inhalation (dusts and mists) | 4.47 mg/l |

Conclusion/Summary : Harmful if swallowed or if inhaled.

Irritation/Corrosion

| Product/ingredient name | Result |
|-------------------------|---|
| xylene | Rabbit - Skin - Moderate irritant Amount/concentration applied: 500 mg Duration of treatment/exposure: 24 hours |

Conclusion/Summary

Skin : Causes skin irritation.

Eyes : Causes serious eye damage.

Respiratory : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

| Product/ingredient name | Test | Result |
|--|--------------------------|---------------------|
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | Guinea pig - skin | Result: Sensitising |
| othililnone (ISO) | Mouse - skin OECD 429 | Result: Sensitising |

Conclusion/Summary

Skin : May cause an allergic skin reaction.

Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Code : 00387006 **Date of issue/Date of revision** : 16 June 2025
SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 11: Toxicological information

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|------------|-------------------|------------------------------|
| xylene | Category 3 | - | Respiratory tract irritation |
| Hydrocarbons, C9, aromatics > 0.1% cumene | Category 3 | - | Respiratory tract irritation |
| - | Category 3 | - | Narcotic effects |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | Category 3 | - | Respiratory tract irritation |

Conclusion/Summary (Product) :

Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|----------------|
| ethylbenzene | Category 2 | - | hearing organs |
| lead monoxide | Category 2 | - | - |

Conclusion/Summary (Product) :

Based on available data, the classification criteria are not met.

Aspiration hazard

| Product/ingredient name | Result |
|---|--------------------------------|
| xylene | ASPIRATION HAZARD - Category 1 |
| Hydrocarbons, C9, aromatics > 0.1% cumene | ASPIRATION HAZARD - Category 1 |
| ethylbenzene | ASPIRATION HAZARD - Category 1 |

Conclusion/Summary (Product) : Based on available data, the classification criteria are not met.

Information on likely routes of exposure : Not available.

Potential acute health effects

- Inhalation** : Harmful if inhaled.
- Ingestion** : Harmful if swallowed.
- Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
- Eye contact** : Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

- Inhalation** : No specific data.
- Ingestion** : Adverse symptoms may include the following:
stomach pains
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
dryness
cracking
blistering may occur
- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Code : 00387006

Date of issue/Date of revision : 16 June 2025

SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 11: Toxicological information

Potential immediate effects

: No known significant effects or critical hazards.

Potential delayed effects

: No known significant effects or critical hazards.

Potential chronic health effects

General

: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity

: No known significant effects or critical hazards.

Mutagenicity

: No known significant effects or critical hazards.

Reproductive toxicity

: No known significant effects or critical hazards.

Other information

: Not available.

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Dose / Exposure |
|---|-------------------------------|---|-------------------------|
| <div><div></div><div>Copper oxide</div></div> | LC50 | Fish | 0.003 mg/l [96 hours] |
| <div><div></div><div>zinc oxide</div></div> | Acute - EC50 - Fresh water | Daphnia - Water flea - <i>Daphnia magna</i> - Neonate | 0.481 mg/l [48 hours] |
| | Acute - EC50 | Algae | 0.17 mg/l [72 hours] |
| | Chronic - NOEC - Fresh water | Algae | 0.017 mg/l [72 hours] |
| <div><div></div><div>Hydrocarbons, C9, aromatics > 0.1% cumene</div></div> | EC50 | Daphnia | 3.2 mg/l [48 hours] |
| | LC50 | Fish | 9.2 mg/l [96 hours] |
| <div><div></div><div>ethylbenzene</div></div> | Acute - EC50 - Fresh water | Daphnia | 1.8 mg/l [48 hours] |
| | Chronic - NOEC - Fresh water | Daphnia - <i>Ceriodaphnia dubia</i> | 1 mg/l |
| <div><div></div><div>4,5-dichloro-2-octyl-2H-isothiazol-3-one</div></div> | Acute - EC50 - Marine water | Algae - Diatom - <i>Nitzschia pungens</i> | 267.368 µg/l [96 hours] |
| | Chronic - NOEC - Marine water | Algae - Diatom - <i>Nitzschia pungens</i> | 19.789 µg/l [96 hours] |
| | Acute - LC50 - Marine water | Crustaceans - Brine shrimp - | 0.318 mg/l [48 hours] |

English (GB)

United Arab Emirates

15/20

| | | | |
|----------------------------------|------------|--------------------------------|----------------|
| Code | : 00387006 | Date of issue/Date of revision | : 16 June 2025 |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | | |

SECTION 12: Ecological information

| | | | |
|--|------------------------------|---|------------------------|
| copper | Acute - LC50 - Fresh water | Artemia sp. Fish | 0.0027 mg/l [96 hours] |
| | Chronic - NOEC - Fresh water | Fish | 0.00056 mg/l [97 days] |
| | Acute - LC50 | Fish | 810 ppb [96 hours] |
| | Chronic - EC10 | Daphnia - Water flea - Daphnia magna - Neonate | 8.1 µg/l [21 days] |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | Acute - LC50 | Fish - Oncorhynchus mykiss | >10 mg/l [96 hours] |
| | Acute - EC50 | Daphnia - Daphnia magna | >10 mg/l [48 hours] |
| | Acute - EC50 | Algae - Pseudokirchneriella subcapitata | >100 mg/l [72 hours] |
| TRIISOPROPYLSILYL ACRYLATE | LC50 | Fish - Trout | 4 mg/l [96 hours] |
| | EC50 | Daphnia | 3.5 mg/l [48 hours] |
| | EC50 | Algae | 0.07 mg/l [72 hours] |

Conclusion/Summary : Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|---|-------------------------|------|----------|
| Hydrocarbons, C9, aromatics > 0.1% cumene | - | 75% [28 days] - Readily | | |
| ethylbenzene | - | 79% [10 days] - Readily | | |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | Ready Biodegradability - Closed Bottle Test | 22% [28 days] | | |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| Xylene | - | - | Readily |
| Hydrocarbons, C9, aromatics > 0.1% cumene | - | - | Readily |
| ethylbenzene | - | - | Readily |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | - | - | Inherent |
| TRIISOPROPYLSILYL ACRYLATE | - | - | Not readily |

12.3 Bioaccumulative potential

| | | | |
|----------------------------------|------------|--------------------------------|----------------|
| Code | : 00387006 | Date of issue/Date of revision | : 16 June 2025 |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | | |

SECTION 12: Ecological information

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-------------|-----------|
| xylene | 3.12 | 7.4 to 18.5 | Low |
| ethylbenzene | 3.6 | 79.43 | Low |
| rosin | 1.9 to 7.7 | - | High |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | >5.86 | - | High |
| TRIISOPROPYLSILYL ACRYLATE | >6.2 | - | High |
| octhilinone (ISO) | 2.45 | - | Low |

12.4 Mobility in soil

Soil/water partition coefficient

| Product/ingredient name | logK _{oc} | K _{oc} |
|--|--------------------|-----------------|
| ethylbenzene | 2.23 | 170.406 |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | 3.41 | 2562.01 |
| octhilinone (ISO) | 2.85 | 706.605 |

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

| | |
|---------------------------------------|---|
| <u>Product</u> | |
| Methods of disposal | The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| Hazardous waste | : Yes. |
| <u>European waste catalogue (EWC)</u> | |
| Waste code | Waste designation |
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |

| | |
|---------------------|--|
| <u>Packaging</u> | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. |

Code : 00387006

Date of issue/Date of revision : 16 June 2025


SIGMA SAILADVANCE DX SPRUCEGREEN

SECTION 13: Disposal considerations

| Type of packaging | European waste catalogue (EWC) | |
|-------------------|--------------------------------|-----------------|
| Container | 15 01 06 | mixed packaging |

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA |
|---------------------------------|-----------------|--|--|
| 14.1 UN number or ID number | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances | Not applicable. |  (dicopper oxide) | Not applicable. |

Additional information

ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Tunnel code : (D/E)

IMDG : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments : Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation


Annex XIV

None of the components are listed.

Substances of very high concern

| | | | |
|----------------------------------|------------|--------------------------------|----------------|
| Code | : 00387006 | Date of issue/Date of revision | : 16 June 2025 |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | | |

SECTION 15: Regulatory information

| Intrinsic property | Ingredient name | Status | Reference number | Date of revision |
|---|-----------------|-------------|------------------|------------------|
|  Toxic to reproduction | lead monoxide | Recommended | ED/49/2014 | 11/10/2016 |

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other national and international regulations.


Explosive precursors : Not applicable.

Ozone depleting substances (EU 2024/590)

Not listed.

15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

- Abbreviations and acronyms**

 - : ATE = Acute Toxicity Estimate
 - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 - DNEL = Derived No Effect Level
 - EUH statement = CLP-specific Hazard statement
 - PNEC = Predicted No Effect Concentration
 - RRN = REACH Registration Number
- Full text of abbreviated H statements**

 - : H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - H301 Toxic if swallowed.
 - H302 Harmful if swallowed.
 - H304 May be fatal if swallowed and enters airways.
 - H311 Toxic in contact with skin.
 - H312 Harmful in contact with skin.
 - H314 Causes severe skin burns and eye damage.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H330 Fatal if inhaled.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H350 May cause cancer.
 - H360Df May damage the unborn child. Suspected of damaging fertility.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - H411 Toxic to aquatic life with long lasting effects.
 - H412 Harmful to aquatic life with long lasting effects.
 - EUH066 Repeated exposure may cause skin dryness or cracking.
 - EUH071 Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

| | | | |
|----------------------------------|------------|--------------------------------|----------------|
| Code | : 00387006 | Date of issue/Date of revision | : 16 June 2025 |
| SIGMA SAILADVANCE DX SPRUCEGREEN | | | |

SECTION 16: Other information

| | |
|-------------------|---|
| : Acute Tox. 2 | ACUTE TOXICITY - Category 2 |
| Acute Tox. 3 | ACUTE TOXICITY - Category 3 |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 |
| Carc. 1B | CARCINOGENICITY - Category 1B |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Repr. 1A | REPRODUCTIVE TOXICITY - Category 1A |
| Skin Corr. 1 | SKIN CORROSION/IRRITATION - Category 1 |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| Skin Sens. 1A | SKIN SENSITISATION - Category 1A |
| Skin Sens. 1B | SKIN SENSITISATION - Category 1B |
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

History

| | |
|---------------------------------|-------------------|
| Date of issue/ Date of revision | : 16 June 2025 |
| Date of previous issue | : 21 October 2023 |
| Prepared by | : EHS |
| Version | : 7.01 |

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.