

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

1.1 Product identifier

Product identifier : S5200
Product name : FLEX CLEAR
Product type : Liquid.
Other means of identification : 1250094435; 1250094436
Date of issue : 27 October 2022
Version : 1
Date of previous issue : No previous validation

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

Identified uses : Coating component.
Uses advised against : Not for sale to or use by consumers.

1.3 Details of the supplier of the safety data sheet

Axalta Coating Systems Germany GmbH & Co. KG
Christbusch 25
DE 42285 Wuppertal
+49 (0)202 529-0

e-mail address of person responsible for this SDS : sds-competence@axalta.com

1.4 Emergency telephone number

Supplier

Telephone number : +(44)-870-8200418
Hours of operation :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Flam. Liq. 3, H226
Skin Sens. 1, H317
STOT SE 3, H336
Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

Ingredients of unknown ecotoxicity : Contains 1% of components with unknown hazards to the aquatic environment

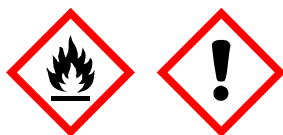
See Section 16 for the full text of the H statements declared above.

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

2.2 Label elements

SECTION 2: Hazards identification**Hazard pictograms**

:

**Signal word**

: Warning

Hazard statements

: H226 - Flammable liquid and vapour.
 H317 - May cause an allergic skin reaction.
 H336 - May cause drowsiness or dizziness.
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements**Prevention**

: P280 - Wear protective gloves.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing vapour.

Response

: P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
 P362 + P364 - Take off contaminated clothing and wash it before reuse.
 P302 + P352 - IF ON SKIN: Wash with plenty of water.
 P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

Storage

: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

: EUH066 - Repeated exposure may cause skin dryness or cracking.
 EUH205 - Contains epoxy constituents. May produce an allergic reaction.

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

: 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

: None known.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

: Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|-----------------------------|--|-----------|--|---------|
| n-butyl acetate | REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 | ≥25 - ≤50 | Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 | [1] [2] |
| Hydrocarbons, C9, aromatics | REACH #: 01-2119455851-35 EC: 918-668-5 | ≤3 | Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 | [1] |
| ethyl 3-ethoxypropionate | REACH #: 01-2119463267-34 EC: 212-112-9 CAS: 763-69-9 | ≤3 | Flam. Liq. 3, H226 EUH066 | [1] |

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SECTION 3: Composition/information on ingredients

| | | | | |
|--|--|------------|--|---------|
| A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | REACH #: 01-0000015075-76 EC: 400-830-7 | <1 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 | [1] |
| Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5 | ≤ 1 | Skin Sens. 1A, H317 Repr. 2, H361 (oral) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| 2,3-epoxypropyl neodecanoate | REACH #: 01-2119431597-33 EC: 247-979-2 CAS: 26761-45-5 | ≤ 0.3 | Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411 | [1] |
| 6H-dibenz[c,e][1,2]oxaphosphorin 6-oxide | REACH #: 01-2119965176-30 EC: 252-813-7 CAS: 35948-25-5 | ≤ 0.3 | Skin Sens. 1B, H317 | [1] |
| dibutyltin dilaurate | REACH #: 01-2119496068-27 EC: 201-039-8 CAS: 77-58-7 | <0.3 | Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] [2] |
| 2-ethylhexyl methacrylate | REACH #: 01-2119490166-35 EC: 211-708-6 CAS: 688-84-6 | ≤ 0.3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Chronic 3, H412 | [1] |
| 2-methoxy-1-methylethyl acetate | REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 | ≤ 0.1 | Flam. Liq. 3, H226 STOT SE 3, H336 | [1] [2] |
| pentaerythritol | REACH #: 01-2119473985-20 EC: 204-104-9 CAS: 115-77-5 | ≤ 0.1 | Not classified. | [2] |
| styrene | REACH #: 01-2119457861-32 EC: 202-851-5 CAS: 100-42-5 | ≤ 0.1 | Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | [1] [2] |
| 2,6-di-tert-butyl-p-cresol | REACH #: 01-2119555270-46 EC: 204-881-4 CAS: 128-37-0 | <0.1 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] [2] |
| methacrylic acid | REACH #: 01-2119463884-26 | <0.1 | Acute Tox. 4, H302 Acute Tox. 3, H311 | [1] [2] |

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SECTION 3: Composition/information on ingredients

| | | | | |
|--|-------------------------------|--|---|--|
| | EC: 201-204-4 CAS: 79-41-4 | | Acute Tox. 4, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above. | |
|--|-------------------------------|--|---|--|

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.

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.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- 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 delayedOver-exposure signs/symptoms

- Eye contact** : No specific data.

SECTION 4: First aid measures

- Inhalation** : Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
- Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- 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** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

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 (see Section 13). Preferably clean with a detergent. Avoid using solvents.

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SECTION 6: Accidental release measures

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

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.
In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
Keep away from heat, sparks and flame. No sparking tools should be used.
Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Put on appropriate personal protective equipment (see Section 8).
Never use pressure to empty. Container is not a pressure vessel.
Always keep in containers made from the same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.

Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Seveso Directive - Reporting thresholds**Danger criteria**

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| P5c | 5000 tonne | 50000 tonne |

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Exposure limit values |
|---------------------------------|---|
| n-butyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 966 mg/m ³ 15 minutes. STEL: 200 ppm 15 minutes. TWA: 724 mg/m ³ 8 hours. TWA: 150 ppm 8 hours. |
| dibutyltin dilaurate | EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin compounds, organic, except cyhexatin (ISO)] Absorbed through skin. STEL: 0.2 mg/m ³ , (as Sn) 15 minutes. TWA: 0.1 mg/m ³ , (as Sn) 8 hours. |
| 2-methoxy-1-methylethyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 548 mg/m ³ 15 minutes. TWA: 50 ppm 8 hours. TWA: 274 mg/m ³ 8 hours. STEL: 100 ppm 15 minutes. |
| pentaerythritol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 4 mg/m ³ 8 hours. Form: respirable dust STEL: 20 mg/m ³ 15 minutes. Form: inhalable dust TWA: 10 mg/m ³ 8 hours. Form: inhalable dust |
| styrene | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 250 ppm 15 minutes. TWA: 100 ppm 8 hours. TWA: 430 mg/m ³ 8 hours. STEL: 1080 mg/m ³ 15 minutes. |
| 2,6-di-tert-butyl-p-cresol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. |
| methacrylic acid | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 143 mg/m ³ 15 minutes. STEL: 40 ppm 15 minutes. TWA: 72 mg/m ³ 8 hours. TWA: 20 ppm 8 hours. |

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|-----------------------------|------|-----------------------|-----------------------|--------------------|----------|
| n-butyl acetate | DNEL | Short term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 300 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 3.4 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 7 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 12 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 48 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 150 mg/m ³ | Workers | Systemic |
| Hydrocarbons, C9, aromatics | DNEL | Long term | 150 mg/m ³ | Workers | Systemic |

SECTION 8: Exposure controls/personal protection

| | | | | | |
|--|------|--------------------------------|---------------------------------|-----------------------|----------|
| ethyl 3-ethoxypropionate | DNEL | Inhalation Long term Dermal | 25 mg/kg bw/day 100.6 ppm | Workers | Systemic |
| | DNEL | Long term Inhalation | | Workers | Systemic |
| | DNEL | Long term Oral | 1.2 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 24.2 mg/ kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 72.6 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 72.6 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 102 mg/ cm ² | Workers | Local |
| | DNEL | Long term Dermal | 102 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 610 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 610 mg/m ³ | Workers | Systemic |
| A mixture of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | DNEL | Long term Dermal | 0.5 mg/kg bw/day | Workers | Systemic |
| | | | | | |
| Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | DNEL | Long term Inhalation | 0.35 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 3.53 mg/m ³ | Workers | Systemic |
| 2,3-epoxypropyl neodecanoate | DNEL | Long term Dermal | 2 mg/kg | Workers | Systemic |
| | DNEL | Long term Inhalation | 1.27 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 1.8 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 2.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 4 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 4.2 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 5.88 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 11.76 mg/ m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 3.5 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 27.5 mg/m ³ | Workers | Systemic |
| 6H-dibenz[c,e][1,2]oxaphosphorin 6-oxide | DNEL | Long term Dermal | 3.5 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 27.5 mg/m ³ | Workers | Systemic |
| dibutyltin dilaurate | DNEL | Long term Oral | 0.0031 mg/ kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.0046 mg/ m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 0.059 mg/ m ³ | Workers | Systemic |
| | DNEL | Short term Dermal | 0.5 mg/kg bw/day | General population | Systemic |

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SECTION 8: Exposure controls/personal protection

| | | | | | |
|---------------------------------|------|-----------------------|-------------------------|--------------------|----------|
| 2-ethylhexyl methacrylate | DNEL | Short term Oral | 0.02 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.02 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 0.04 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 0.16 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.43 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 2.08 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.3 ppm | Workers | Systemic |
| | DNEL | Long term Inhalation | 2.5 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 5 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 50.132 ppm | Workers | Systemic |
| 2-methoxy-1-methylethyl acetate | DNEL | Long term Inhalation | 796 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 275 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 550 mg/m ³ | Workers | Local |
| | DNEL | Long term Dermal | 796 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Oral | 5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 8.7 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 10 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 11.8 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Oral | 7.7 µg/kg bw/day | General population | Systemic |
| pentaerythritol | DNEL | Long term Inhalation | 1 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 1 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 10 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 10 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 85 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 100 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 100 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 100 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 343 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 406 mg/kg bw/day | Workers | Systemic |
| styrene | DNEL | Long term Oral | 0.25 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.435 mg/m ³ | General population | Systemic |

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SECTION 8: Exposure controls/personal protection

| | | | | | |
|------------------|------|----------------------|------------------------|--------------------|----------|
| methacrylic acid | DNEL | Long term Inhalation | 1.76 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 0.25 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.5 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 8.3 ppm | Workers | Systemic |
| | DNEL | Long term Dermal | 2.55 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 4.25 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 6.3 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 6.55 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 29.6 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 88 mg/m ³ | Workers | Local |
| | DNEL | Short term Dermal | 1 % | General population | Local |

PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|--|------------------------|--------------|---------------|
| n-butyl acetate | Soil | 0.09 mg/kg | - |
| | Fresh water | 0.18 mg/l | - |
| | Sewage Treatment Plant | 35.6 mg/l | - |
| ethyl 3-ethoxypropionate | Marine water | 0.018 mg/l | - |
| | Marine water | 0.00609 mg/l | - |
| | Fresh water | 0.0609 mg/l | - |
| | Sediment | 0.0419 mg/l | - |
| | Fresh water | 0.0023 mg/l | - |
| A mixture of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | Marine water | 0.00023 mg/l | - |
| | Sewage Treatment Plant | 10 mg/l | - |
| | Fresh water sediment | 3.06 mg/kg | - |
| | Marine water sediment | 0.306 mg/kg | - |
| | Soil | 2 mg/kg | - |
| | Secondary Poisoning | 0.028 mg/l | - |
| | Fresh water | 0.0022 mg/l | - |
| | Marine water | 0.00022 mg/l | - |
| | Secondary Poisoning | 0.009 mg/l | - |
| | Fresh water sediment | 1.05 mg/kg | - |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Marine water sediment | 0.11 mg/kg | - |
| | Soil | 0.21 mg/kg | - |
| | Sewage Treatment Plant | 1 mg/l | - |
| | Soil | 0.446 mg/kg | - |
| | Sewage Treatment Plant | 10 mg/l | - |
| | Fresh water | 0.00348 mg/l | - |
| | Sediment | 2.24 mg/kg | - |
| | Soil | 0.446 mg/kg | - |
| | Sewage Treatment Plant | 10 mg/l | - |
| | Fresh water | 0.00348 mg/l | - |
| 2-ethylhexyl methacrylate | Sediment | 2.24 mg/kg | - |

SECTION 8: Exposure controls/personal protection

| | | | |
|---------------------------------|------------------------|-------------|---|
| 2-methoxy-1-methylethyl acetate | Soil | 0.29 mg/kg | - |
| | Sediment | 0.329 mg/kg | - |
| | Sewage Treatment Plant | 100 mg/l | - |
| | Marine water | 0.0635 mg/l | - |
| | Fresh water | 0.635 mg/l | - |
| | | | |

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

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 : Use safety eyewear designed to protect against splash of liquids.

Skin protection**Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves : Duration / breakthrough time: <1 hour,
Glove material: NBR, nitrile rubber, material thickness as splash protection: at least 0.2 mm, (EN374)
Glove material: NBR, nitrile rubber Material thickness for short-term contact: at least 0.5 mm, (EN374)

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

Expert judgment

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.

Body protection : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

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.

Respiratory protection : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Environmental exposure controls : Do not allow to enter drains or watercourses.

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 | : Liquid. |
| Colour | : Transparent. |
| Odour | : Not available. |
| Odour threshold | : Not available. |
| Melting point/freezing point | : Not applicable. |
| Initial boiling point and boiling range | : 125 to 126°C (257 to 258.8°F) |
| Flammability (solid, gas) | : Not available. |
| Upper/lower flammability or explosive limits | : Lower: 1.2% Upper: 7.5% |
| Flash point | : Closed cup: 33°C (91.4°F) [Product does not sustain combustion.] |
| Auto-ignition temperature | : 280°C (536°F) |
| Decomposition temperature | : Not applicable. |
| pH | : Not applicable. |
| Viscosity | : Not available. |
| Solubility(ies) | : |

| Media | Result |
|------------|-----------------------|
| cold water | Very slightly soluble |

| | |
|--|-----------------------------|
| Solubility in water | : Not available. |
| Miscible with water | : No. |
| Partition coefficient: n-octanol/ water | : Not applicable. |
| Vapour pressure | : 0.61 kPa (4.6 mm Hg) |
| Relative density | : Not available. |
| Density | : 0.999 g/cm ³ |
| Vapour density | : Not available. |
| Explosive properties | : Not available. |
| Oxidising properties | : Not available. |
| Weight volatiles | : 43.5 % (w/w) |
| VOC content | : 43.1 % (w/w) (2010/75/EU) |

Particle characteristics

| | |
|-----------------------------|-------------------|
| Median particle size | : Not applicable. |
|-----------------------------|-------------------|

room temperature (=20°C)

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

SECTION 10: Stability and reactivity

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 : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Not applicable

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|------------------------|--------------------|--------------|----------|
| n-butyl acetate | LC50 Inhalation Vapour | Rat | 21.1 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >17600 mg/kg | - |
| | LD50 Oral | Rat | 10768 mg/kg | - |
| Hydrocarbons, C9, aromatics | LD50 Dermal | Rabbit | >3160 mg/kg | - |
| | LD50 Oral | Rat - Female | 3492 mg/kg | - |
| ethyl 3-ethoxypropionate | LD50 Dermal | Rat - Male | 4080 mg/kg | - |
| | LD50 Oral | Rat | 3200 mg/kg | - |
| Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | LD50 Dermal | Rat - Male, Female | >3170 mg/kg | - |
| | LD50 Oral | Rat - Male, Female | 3230 mg/kg | - |
| 2,3-epoxypropyl neodecanoate | LD50 Oral | Rat | >10 g/kg | - |
| dibutyltin dilaurate | LD50 Oral | Rat - Male, Female | 2071 mg/kg | - |
| 2-methoxy-1-methylethyl acetate | LD50 Dermal | Rabbit | >5 g/kg | - |

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SECTION 11: Toxicological information

| | | | | |
|----------------------------|------------------------|--------|-------------------------|---------|
| pentaerythritol styrene | LD50 Oral | Rat | 8532 mg/kg | - |
| | LD50 Oral | Rat | 18500 mg/kg | - |
| | LC50 Inhalation Gas. | Rat | 2770 ppm | 4 hours |
| | LC50 Inhalation Vapour | Rat | 11800 mg/m ³ | 4 hours |
| methacrylic acid | LD50 Oral | Rat | 2650 mg/kg | - |
| | LC50 Inhalation Vapour | Rat | 2.7 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | 500 mg/kg | - |
| | LD50 Oral | Rat | 1060 mg/kg | - |

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| n-butyl acetate | 10768 | N/A | N/A | 21.1 | N/A |
| Hydrocarbons, C9, aromatics | 3492 | N/A | N/A | N/A | N/A |
| ethyl 3-ethoxypropionate | 3200 | 4080 | N/A | N/A | N/A |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 3230 | N/A | N/A | N/A | N/A |
| dibutyltin dilaurate | 2071 | N/A | N/A | N/A | N/A |
| 2-methoxy-1-methylethyl acetate | 8532 | N/A | N/A | N/A | N/A |
| pentaerythritol | 18500 | N/A | N/A | N/A | N/A |
| styrene | 2650 | N/A | 2770 | 11.8 | N/A |
| methacrylic acid | 1060 | 500 | N/A | 11 | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|----------------------------|--------------------------|---------|-------|-----------------|-------------|
| ethyl 3-ethoxypropionate | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| dibutyltin dilaurate | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| styrene | Skin - Severe irritant | Rabbit | - | 500 mg | - |
| | Eyes - Mild irritant | Human | - | 50 ppm | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| | Eyes - Severe irritant | Rabbit | - | 100 mg | - |
| 2,6-di-tert-butyl-p-cresol | Skin - Mild irritant | Rabbit | - | 500 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 100 % | - |
| | Skin - Mild irritant | Human | - | 48 hours 500 mg | - |
| | | | | | |

Sensitisation**Mutagenicity****Carcinogenicity****Reproductive toxicity****Teratogenicity****Specific target organ toxicity (single exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|---------------------------------|------------|-------------------|------------------------------|
| n-butyl acetate | Category 3 | - | Narcotic effects |
| Hydrocarbons, C9, aromatics | Category 3 | - | Respiratory tract irritation |
| dibutyltin dilaurate | Category 3 | - | Narcotic effects |
| 2-ethylhexyl methacrylate | Category 1 | - | - |
| | Category 3 | - | Respiratory tract irritation |
| 2-methoxy-1-methylethyl acetate | Category 3 | - | Narcotic effects |
| styrene | Category 3 | - | Respiratory tract irritation |
| methacrylic acid | Category 3 | - | Respiratory tract |

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SECTION 11: Toxicological information

irritation

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|---------------|
| dibutyltin dilaurate | Category 1 | - | - |
| styrene | Category 1 | - | - |

Aspiration hazard

| Product/ingredient name | Result |
|-----------------------------|--------------------------------|
| Hydrocarbons, C9, aromatics | ASPIRATION HAZARD - Category 1 |
| styrene | ASPIRATION HAZARD - Category 1 |

Information on likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking

Ingestion : No specific data.

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

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-------------------------------|---------|---------|----------|
| methacrylic acid | Chronic NOAEL Inhalation Gas. | Rat | 100 ppm | 90 days |

Conclusion/Summary : Not available.

SECTION 11: Toxicological information

| | |
|------------------------------|--|
| 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.

SECTION 12: Ecological information**12.1 Toxicity**

| Product/ingredient name | Result | Species | Exposure |
|---|---|--|--|
| n-butyl acetate | Acute LC50 185000 µg/l Marine water | Fish - Inland silverside - Menidia beryllina | 96 hours |
| Hydrocarbons, C9, aromatics | Acute LC50 9.2 mg/l | Fish - Trout - Oncorhynchus mykiss | 96 hours |
| Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Acute EC50 1.68 mg/l Fresh water | Algae | 72 hours |
| 6H-dibenz[c,e][1,2]oxaphosphorin 6-oxide | Acute LC50 0.9 mg/l Chronic NOEC 1 mg/l Fresh water Acute EC50 240.92 mg/l Fresh water | Fish - Brachydanio rerio Daphnia Daphnia - Water flea - Daphnia magna - Neonate | 96 hours 21 days 48 hours |
| dibutyltin dilaurate | Acute LC50 989 ppm Fresh water | Fish - Zebra danio - Danio rerio - Gastrula | 96 hours |
| | Acute EC50 1 mg/l Acute EC50 463 µg/l Acute LC50 3.1 mg/l Chronic EC10 >2 mg/l Fresh water | Algae Daphnia Fish Algae - Green algae - Desmodesmus subspicatus | 72 hours 48 hours 96 hours 96 hours |
| pentaerythritol | Acute EC50 33600000 µg/l Fresh water | Daphnia - Water flea - Daphnia magna | 48 hours |
| styrene | Acute EC50 78000 µg/l Marine water Acute LC50 52 mg/l Marine water Acute LC50 23 mg/l Fresh water | Algae - Diatom - Skeletonema costatum Crustaceans - Brine shrimp - Artemia salina Daphnia - Water flea - Daphnia magna | 96 hours 48 hours 48 hours |
| 2,6-di-tert-butyl-p-cresol | Acute EC50 1440 µg/l Fresh water | Daphnia - Water flea - Daphnia pulex - Neonate | 48 hours |
| methacrylic acid | Chronic NOEC 53 mg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 21 days |

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---------------------------------|--------------------|-------------|-----------|
| n-butyl acetate | 2.3 | - | low |
| ethyl 3-ethoxypropionate | 1.47 | - | low |
| 2,3-epoxypropyl neodecanoate | 4.4 | - | high |
| dibutyltin dilaurate | 4.44 | 2.91 | low |
| 2-ethylhexyl methacrylate | 4.95 | 37 | low |
| 2-methoxy-1-methylethyl acetate | 1.2 | - | low |
| pentaerythritol | -1.7 | 1.26 | low |
| styrene | 0.35 | 13.49 | low |
| 2,6-di-tert-butyl-p-cresol | 5.1 | 330 to 1800 | high |
| methacrylic acid | 0.93 | - | low |

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

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 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**Product**

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.

Waste catalogue

| Waste code | Waste designation |
|------------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |

Packaging





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.

15 01 10* packaging containing residues of or contaminated by hazardous substances

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.

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SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|---------------------------------|--|--|---|--|
| 14.1 UN number | UN1263 | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3  | 3  | 3  | 3  |
| 14.4 Packing group | III | III | III | III |
| 14.5 Environmental hazards | No. | Yes. | No. | No. |

Additional information

ADR/RID

: **Tunnel code** (D/E)

ADN

: The product is only regulated as an environmentally hazardous substance when transported in tank vessels.

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 available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK (GB)/REACH****Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

P5c

National regulations

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SECTION 15: Regulatory information

| Product/ingredient name | List name | Name on list | Classification | Notes |
|-------------------------|-----------|--------------|----------------|-------|
| | | | | |

International regulations**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

| Classification | Justification |
|--|---|
| Flam. Liq. 3, H226 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 3, H412 | On basis of test data Calculation method Calculation method Calculation method |

Full text of abbreviated H statements

| | |
|-------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic 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. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H341 | Suspected of causing genetic defects. |
| H360 | May damage fertility or the unborn child. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H361d | Suspected of damaging the unborn child. |
| H370 | Causes damage to organs. |
| H372 | Causes 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. |

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SECTION 16: Other information

EUH066 Repeated exposure may cause skin dryness or cracking.

Full text of classifications

| | |
|-------------------|---|
| 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 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Muta. 2 | GERM CELL MUTAGENICITY - Category 2 |
| Repr. 1B | REPRODUCTIVE TOXICITY - Category 1B |
| Repr. 2 | REPRODUCTIVE TOXICITY - Category 2 |
| Skin Corr. 1A | SKIN CORROSION/IRRITATION - Category 1A |
| Skin Corr. 1B | SKIN CORROSION/IRRITATION - Category 1B |
| 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 1 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT SE 1 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

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SECTION 16: Other information