

# SAFETY DATA SHEET



TEKNODUR 0090 - All variants

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

### 1.1 Product identifier

**Product name** : TEKNODUR 0090 - All variants

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

**Product use** : Paint.

### 1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

**e-mail address of person responsible for this SDS** : Prod-safe@teknos.com

#### National contact

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : NHS: 111

## 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 Irrit. 2, H315

Eye Irrit. 2, H319

Skin Sens. 1, H317

STOT SE 3, H335

STOT RE 2, H373

Aquatic Chronic 3, H412

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

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** :

- H226 - Flammable liquid and vapour.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements

## SECTION 2: Hazards identification

|   |   |
|---|---|
| <b>Prevention</b>   | : P280 - Wear protective gloves. Wear eye or face protection.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P260 - Do not breathe vapour. |
| <b>Response</b>   | : P314 - Get medical advice/attention if you feel unwell.   |
| <b>Storage</b>  | : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  |
| <b>Disposal</b>   | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| <b>Supplemental label elements</b>  | : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : Not applicable.   |

### 2.3 Other hazards

|  |   |
|--|---|
| <b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b> | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| <b>Other hazards which do not result in classification</b>   | : None known.   |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name                     | Identifiers   | %         | Classification   | Type    |
|---|---|-----------|--|---------|
| Xylene                                      | REACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7<br>Index: 601-022-00-9  | ≥10 - ≤25 | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>(oral, inhalation)<br>Asp. Tox. 1, H304 | [1] [2] |
| Solvent naphtha (petroleum), light aromatic | REACH #:<br>01-2119455851-35<br>EC: 265-199-0<br>CAS: 64742-95-6<br>Index: 649-356-00-4 | ≤10       | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066   | [1]     |
| n-Butyl acetate                             | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4<br>Index: 607-025-00-1   | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066  | [1] [2] |
| Ethylbenzene                                | REACH #:<br>01-2119489370-35<br>EC: 202-849-4<br>CAS: 100-41-4<br>Index: 601-023-00-4   | ≤5        | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT RE 2, H373<br>(hearing organs) (oral, inhalation)<br>Asp. Tox. 1, H304  | [1] [2] |
| 2-Methoxy-1-methylethyl acetate             | REACH #:<br>01-2119475791-29<br>EC: 203-603-9<br>CAS: 108-65-6<br>Index: 607-195-00-7   | ≤4.2      | Flam. Liq. 3, H226<br>STOT SE 3, H336  | [1] [2] |

## SECTION 3: Composition/information on ingredients

|   |   |       |  |         |
|---|---|-------|--|---------|
| Reaction mass of Bis<br>(1,2,2,6,6-pentamethyl-4-piperidyl)<br>sebacate and Methyl<br>1,2,2,6,6-pentamethyl-4-piperidyl<br>sebacate | REACH #:<br>01-2119491304-40<br>EC: 915-687-0<br>CAS: 1065336-91-5                    | ≤0.77 | Skin Sens. 1A, H317<br>Repr. 2, H361f<br>Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1)  | [1]     |
| Ethyl acetate   | REACH #:<br>01-2119475103-46<br>EC: 205-500-4<br>CAS: 141-78-6<br>Index: 607-022-00-5 | ≤0.3  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066  | [1] [2] |
| Styrene   | REACH #:<br>01-2119457861-32<br>EC: 202-851-5<br>CAS: 100-42-5                        | ≤0.1  | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Repr. 2, H361<br>STOT SE 3, H335<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3,<br>H412              | [1] [2] |
| Propylene glycol  | REACH #:<br>01-2119456809-23<br>EC: 200-338-0<br>CAS: 57-55-6                         | ≤0.1  | Not classified.  | [2]     |
| iso-butanol   | REACH #:<br>01-2119484609-23<br>EC: 201-148-0<br>CAS: 78-83-1<br>Index: 603-108-00-1  | ≤0.1  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT SE 3, H336  | [1] [2] |
| Dibutyltin dilaurate  | REACH #:<br>01-2119496068-27<br>EC: 201-039-8<br>CAS: 77-58-7                         | <0.1  | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Repr. 1B, H360<br>STOT SE 1, H370<br>STOT RE 1, H372<br>Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1) | [1] [2] |
| cumene  | EC: 202-704-5<br>CAS: 98-82-8<br>Index: 601-024-00-X                                  | ≤0.1  | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2,<br>H411   | [1] [2] |
| Toluene   | REACH #:<br>01-2119471310-51<br>EC: 203-625-9<br>CAS: 108-88-3<br>Index: 601-021-00-3 | ≤0.1  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361d<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304   | [1] [2] |
| benzene   | EC: 200-753-7<br>CAS: 71-43-2<br>Index: 601-020-00-8                                  | <0.1  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Muta. 1B, H340<br>Carc. 1A, H350<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3,<br>H412                                    | [1] [2] |
|   |   |       | <b>See Section 16 for<br/>the full text of the H<br/>statements declared<br/>above.</b>  |         |

## SECTION 3: Composition/information on ingredients

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 with plenty of soap and water. 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 following exposure or if feeling unwell. 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 delayed

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- 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** : Use dry chemical, CO<sub>2</sub>, 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 harmful 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 dioxide  
carbon monoxide  
sulfur oxides  
metal oxide/oxides

### 5.3 Advice for firefighters

- Special protective actions 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 British standard BS 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 spill material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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.

### 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. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

## 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

- 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 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.

#### Seveso Directive - Reporting thresholds

##### Danger criteria

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

### 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

Xylene

**EH40/2005 WELs (United Kingdom (UK), 1/2020) [xylene, o-,m-, p- or mixed isomers]** Absorbed through skin.

STEL 15 minutes: 441 mg/m<sup>3</sup>.

TWA 8 hours: 50 ppm.

TWA 8 hours: 220 mg/m<sup>3</sup>.

STEL 15 minutes: 100 ppm.

n-Butyl acetate

**EH40/2005 WELs (United Kingdom (UK), 1/2020)**

STEL 15 minutes: 966 mg/m<sup>3</sup>.

STEL 15 minutes: 200 ppm.

TWA 8 hours: 724 mg/m<sup>3</sup>.



## SECTION 8: Exposure controls/personal protection

|                                 |  |
|---------------------------------|--|
| Ethylbenzene                    | TWA 8 hours: 150 ppm.<br><b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Absorbed through skin.<br>STEL 15 minutes: 552 mg/m <sup>3</sup> .<br>STEL 15 minutes: 125 ppm.<br>TWA 8 hours: 100 ppm.<br>TWA 8 hours: 441 mg/m <sup>3</sup> .            |
| 2-Methoxy-1-methylethyl acetate | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Absorbed through skin.<br>STEL 15 minutes: 548 mg/m <sup>3</sup> .<br>TWA 8 hours: 50 ppm.<br>TWA 8 hours: 274 mg/m <sup>3</sup> .<br>STEL 15 minutes: 100 ppm.                                      |
| Ethyl acetate                   | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b><br>STEL 15 minutes: 400 ppm.<br>TWA 8 hours: 200 ppm.<br>STEL 15 minutes: 1468 mg/m <sup>3</sup> .<br>TWA 8 hours: 734 mg/m <sup>3</sup> .   |
| Styrene                         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b><br>STEL 15 minutes: 250 ppm.<br>TWA 8 hours: 100 ppm.<br>TWA 8 hours: 430 mg/m <sup>3</sup> .<br>STEL 15 minutes: 1080 mg/m <sup>3</sup> .   |
| Propylene glycol                | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b><br>TWA 8 hours: 474 mg/m <sup>3</sup> . Form: total vapour and particulates.<br>TWA 8 hours: 150 ppm. Form: total vapour and particulates.<br>TWA 8 hours: 10 mg/m <sup>3</sup> . Form: Particulate. |
| iso-butanol                     | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b><br>STEL 15 minutes: 231 mg/m <sup>3</sup> .<br>STEL 15 minutes: 75 ppm.<br>TWA 8 hours: 154 mg/m <sup>3</sup> .<br>TWA 8 hours: 50 ppm.  |
| Dibutyltin dilaurate            | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020) [tin compounds, organic, except cyhexatin (ISO)]</b> Absorbed through skin.<br>STEL 15 minutes: 0.2 mg/m <sup>3</sup> (as Sn).<br>TWA 8 hours: 0.1 mg/m <sup>3</sup> (as Sn).                            |
| cumene                          | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Absorbed through skin.<br>STEL 15 minutes: 250 mg/m <sup>3</sup> .<br>STEL 15 minutes: 50 ppm.<br>TWA 8 hours: 25 ppm.<br>TWA 8 hours: 125 mg/m <sup>3</sup> .                                       |
| Toluene                         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Absorbed through skin.<br>STEL 15 minutes: 384 mg/m <sup>3</sup> .<br>TWA 8 hours: 191 mg/m <sup>3</sup> .<br>TWA 8 hours: 50 ppm.<br>STEL 15 minutes: 100 ppm.                                      |
| benzene                         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> Carc. Absorbed through skin.<br>TWA 8 hours: 1 ppm.<br>TWA 8 hours: 3.25 mg/m <sup>3</sup> .   |

### Biological exposure indices

| Product/ingredient name | Exposure indices   |
|-------------------------|--|
| Xylene                  | <b>EH40/2005 BMGVs (United Kingdom (UK), 1/2020) [Xylene, o-, m-, p- or mixed isomers]</b><br>BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine].<br>Sampling time: post shift. |

## SECTION 8: Exposure controls/personal protection

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS 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.

### DNELs/DMELs

#### Product/ingredient name

Xylene

#### Result

**DNEL - General population - Long term - Oral**

5 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

65.3 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

65.3 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

125 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

212 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

221 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

221 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

260 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

260 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

442 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

442 mg/m<sup>3</sup>

Effects: Systemic

Solvent naphtha (petroleum), light aromatic

**DNEL - General population - Long term - Inhalation**

0.41 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

1.9 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

178.57 mg/m<sup>3</sup>



## SECTION 8: Exposure controls/personal protection

Effects: Local

**DNEL - General population - Short term - Inhalation**

640 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

837.5 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

1066.67 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

1152 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

1286.4 mg/m<sup>3</sup>

Effects: Systemic

n-Butyl acetate

**DNEL - General population - Long term - Oral**

2 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Oral**

2 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

3.4 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Dermal**

6 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

7 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Short term - Dermal**

11 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

12 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

35.7 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

48 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

300 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

300 mg/m<sup>3</sup>

Effects: Systemic

## SECTION 8: Exposure controls/personal protection

|                                 |  |
|---------------------------------|--|
| Ethylbenzene                    | <b>DNEL - Workers - Long term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Local              |
|                                 | <b>DNEL - Workers - Short term - Inhalation</b><br>600 mg/m <sup>3</sup><br><u>Effects</u> : Local             |
|                                 | <b>DNEL - Workers - Short term - Inhalation</b><br>600 mg/m <sup>3</sup><br><u>Effects</u> : Systemic          |
|                                 | <b>DMEL - Workers - Long term - Inhalation</b><br>442 mg/m <sup>3</sup><br><u>Effects</u> : Local              |
|                                 | <b>DMEL - Workers - Short term - Inhalation</b><br>884 mg/m <sup>3</sup><br><u>Effects</u> : Systemic          |
|                                 | <b>DNEL - General population - Long term - Oral</b><br>1.6 mg/kg bw/day<br><u>Effects</u> : Systemic           |
|                                 | <b>DNEL - General population - Long term - Inhalation</b><br>15 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
|                                 | <b>DNEL - Workers - Long term - Inhalation</b><br>77 mg/m <sup>3</sup><br><u>Effects</u> : Systemic            |
|                                 | <b>DNEL - Workers - Long term - Dermal</b><br>180 mg/kg bw/day<br><u>Effects</u> : Systemic                    |
|                                 | <b>DNEL - Workers - Short term - Inhalation</b><br>293 mg/m <sup>3</sup><br><u>Effects</u> : Local             |
| 2-Methoxy-1-methylethyl acetate | <b>DNEL - General population - Long term - Inhalation</b><br>33 mg/m <sup>3</sup><br><u>Effects</u> : Local    |
|                                 | <b>DNEL - General population - Long term - Inhalation</b><br>33 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
|                                 | <b>DNEL - General population - Long term - Oral</b><br>36 mg/kg bw/day<br><u>Effects</u> : Systemic            |
|                                 | <b>DNEL - Workers - Long term - Inhalation</b><br>275 mg/m <sup>3</sup><br><u>Effects</u> : Systemic           |
|                                 | <b>DNEL - General population - Long term - Dermal</b><br>320 mg/kg bw/day<br><u>Effects</u> : Systemic         |
|                                 | <b>DNEL - Workers - Short term - Inhalation</b><br>550 mg/m <sup>3</sup><br><u>Effects</u> : Local             |
|                                 | <b>DNEL - Workers - Long term - Dermal</b><br>796 mg/kg bw/day   |

## SECTION 8: Exposure controls/personal protection

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Effects: Systemic

**DNEL - General population - Long term - Oral**

0.18 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

0.31 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

0.9 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

1.27 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

1.8 mg/kg bw/day

Effects: Systemic

Ethyl acetate

**DNEL - General population - Long term - Oral**

4.5 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

37 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

63 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

367 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

367 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

734 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

734 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

734 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

734 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

1468 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

1468 mg/m<sup>3</sup>

Effects: Systemic

## SECTION 8: Exposure controls/personal protection

Styrene

**DNEL - General population - Long term - Oral**

7.7 µg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

1 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

1 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

10 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

10 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

85 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

100 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

100 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

100 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

343 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

406 mg/kg bw/day

Effects: Systemic

Propylene glycol

**DNEL - General population - Long term - Inhalation**

10 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

10 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

50 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

168 mg/m<sup>3</sup>

Effects: Systemic

iso-butanol

**DNEL - General population - Long term - Inhalation**

55 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

310 mg/m<sup>3</sup>

## SECTION 8: Exposure controls/personal protection

Effects: Local

Dibutyltin dilaurate

**DNEL - General population - Long term - Oral**

0.0031 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

0.0046 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Oral**

0.02 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

0.02 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

0.04 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

0.059 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

0.16 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

0.43 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Dermal**

0.5 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Short term - Dermal**

2.08 mg/kg bw/day

Effects: Systemic

cumene

**DNEL - General population - Long term - Dermal**

1.2 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

15.4 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

100 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

250 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Oral**

5 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

16.6 mg/m<sup>3</sup>

Effects: Systemic

## SECTION 8: Exposure controls/personal protection

Toluene

**DNEL - General population - Long term - Oral**

8.13 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

56.5 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

56.5 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

192 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

192 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal**

226 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Inhalation**

226 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Short term - Inhalation**

226 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

384 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

384 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

384 mg/m<sup>3</sup>

Effects: Systemic

benzene

**DNEL - General population - Long term - Inhalation**

0.14 mg/m<sup>3</sup>

Effects: Systemic

### PNECs

Not available.

### 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



## SECTION 8: Exposure controls/personal protection

- 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** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- 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.
- Recommendations : Wear suitable gloves tested to EN374.
- < 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm
- 1 - 4 hours (breakthrough time): polyvinyl alcohol (PVA) thickness > 0.3 mm or 4H / Silver Shield® gloves.
- > 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves
- Wash hands before breaks and immediately after handling the product.
- 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 British Standard BS 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.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Filter type: A
- Filter type (spray application): A P
- 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** : Liquid.
- Colour** : Various
- Odour** : Slight
- Odour threshold** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** :

## SECTION 9: Physical and chemical properties

| Ingredient name                             | °C         | °F         | Method   |
|---|------------|------------|----------|
| n-Butyl acetate                             | 126        | 258.8      | OECD 103 |
| Solvent naphtha (petroleum), light aromatic | 135 to 210 | 275 to 410 |          |

- Flammability (solid, gas)** : Not available.
- Upper/lower flammability or explosive limits** : Lower: 0.8% (xylene)  
Upper: 7.6% (Solvent naphtha (petroleum), light arom.)
- Flash point** : Closed cup: 31°C (87.8°F)
- Auto-ignition temperature** :

| Ingredient name                             | °C         | °F         | Method    |
|---|------------|------------|-----------|
| Solvent naphtha (petroleum), light aromatic | 280 to 470 | 536 to 878 |           |
| 2-Methoxy-1-methylethyl acetate             | 333        | 631.4      | DIN 51794 |

- Decomposition temperature** : Not available.
- pH** : Not applicable.
- Viscosity** : Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C): >20.5 mm<sup>2</sup>/s

**Solubility(ies)** :  
Not available.

- Solubility in water** : Not available.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Vapour pressure** :

| Ingredient name | Vapour Pressure at 20°C |     |                | Vapour pressure at 50°C |     |        |
|-----------------|-------------------------|-----|----------------|-------------------------|-----|--------|
|                 | mm Hg                   | kPa | Method         | mm Hg                   | kPa | Method |
| n-Butyl acetate | 11.25096                | 1.5 | DIN EN 13016-2 |                         |     |        |
| Ethylbenzene    | 9.30076                 | 1.2 |                |                         |     |        |

- Relative density** : Not available.
- Density** : 1.3 g/cm<sup>3</sup>
- Vapour density** : Not available.
- Explosive properties** : Not available.
- Oxidising properties** : Not available.
- Particle characteristics**
- Median particle size** : Not applicable.

### 9.2 Other information

Not available.

## 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** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials:  
oxidising materials

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**Version** : 5 **16/32**

TEKNODUR 0090 - All variants

**Label No** : 109674

## SECTION 10: Stability and reactivity

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product/ingredient name

Xylene

##### Result

###### **Rat - Oral - LD50**

4300 mg/kg

Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes

###### **Rat - Inhalation - LC50 Vapour**

21.7 mg/l [4 hours]

Solvent naphtha (petroleum), light aromatic

###### **Rat - Oral - LD50**

8400 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes

n-Butyl acetate

###### **Rat - Oral - LD50**

10760 mg/kg

EU

###### **Rabbit - Dermal - LD50**

14112 mg/kg

###### **Rat - Inhalation - LC50 Vapour**

0.74 mg/l [4 hours]

Ethylbenzene

###### **Rat - Oral - LD50**

3500 mg/kg

###### **Rabbit - Dermal - LD50**

15400 mg/kg

###### **Rat - Inhalation - LC50 Dusts and mists**

29000 mg/l [4 hours]

2-Methoxy-1-methylethyl acetate

###### **Rat - Oral - LD50**

8532 mg/kg

###### **Rabbit - Dermal - LD50**

>5 g/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

###### **Rat - Oral - LD50**

3230 mg/kg

###### **Rat - Dermal - LD50**

>3170 mg/kg

Ethyl acetate

###### **Rat - Oral - LD50**

5620 mg/kg

Styrene

###### **Rat - Oral - LD50**

2650 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Liver - Other changes

###### **Rat - Inhalation - LC50 Vapour**

11800 mg/m<sup>3</sup> [4 hours]

## SECTION 11: Toxicological information

|                      |  |
|----------------------|--|
|                      | <b>Rat - Inhalation - LC50 Gas.</b><br>2770 ppm [4 hours]  |
| Propylene glycol     | <b>Rat - Oral - LD50</b><br>20 g/kg  |
|                      | <b>Rabbit - Dermal - LD50</b><br>20800 mg/kg   |
| iso-butanol          | <b>Rat - Oral - LD50</b><br>2460 mg/kg   |
|                      | <b>Rabbit - Dermal - LD50</b><br>3400 mg/kg  |
|                      | <b>Rat - Inhalation - LC50 Vapour</b><br>19200 mg/m <sup>3</sup> [4 hours]   |
| Dibutyltin dilaurate | <b>Rat - Oral - LD50</b><br>175 mg/kg  |
| cumene               | <b>Rat - Oral - LD50</b><br>1400 mg/kg<br><u>Toxic effects:</u> Gastrointestinal - Gastritis   |
|                      | <b>Rat - Inhalation - LC50 Vapour</b><br>39000 mg/m <sup>3</sup> [4 hours]   |
| Toluene              | <b>Rat - Oral - LD50</b><br>636 mg/kg  |
|                      | <b>Rat - Inhalation - LC50 Vapour</b><br>49 g/m <sup>3</sup> [4 hours]   |
| benzene              | <b>Rat - Oral - LD50</b><br>930 mg/kg<br><u>Toxic effects:</u> Behavioral - Tremor Behavioral - Convulsions or effect on seizure threshold |

**Conclusion/Summary [Product]** : Not available.

### 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) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| TEKNODUR 0090  | N/A          | 6730.5         | N/A                      | 55.1                        | N/A                                 |
| Xylene   | 4300         | 1100           | N/A                      | 11                          | N/A                                 |
| Solvent naphtha (petroleum), light aromatic  | 8400         | N/A            | N/A                      | N/A                         | N/A                                 |
| n-Butyl acetate  | 10760        | 14112          | N/A                      | N/A                         | N/A                                 |
| Ethylbenzene   | 3500         | 15400          | N/A                      | 11                          | 29000                               |
| 2-Methoxy-1-methylethyl acetate  | 8532         | N/A            | 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                                 |
| Ethyl acetate  | 5620         | N/A            | N/A                      | N/A                         | N/A                                 |
| Styrene  | 2650         | N/A            | 2770                     | 11.8                        | N/A                                 |
| Propylene glycol   | 20000        | 20800          | N/A                      | N/A                         | N/A                                 |
| iso-butanol  | 2460         | 3400           | N/A                      | N/A                         | N/A                                 |
| cumene   | N/A          | N/A            | N/A                      | 39                          | N/A                                 |
| Toluene  | N/A          | N/A            | N/A                      | 49                          | N/A                                 |

### Skin corrosion/irritation

## SECTION 11: Toxicological information

### Product/ingredient name

Xylene

### Result

#### Rat - Skin - Mild irritant

Duration of treatment/exposure: 8 hours

Amount/concentration applied: 60 uL

#### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

#### Rabbit - Skin - Moderate irritant

Amount/concentration applied: 100 %

n-Butyl acetate

#### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Ethylbenzene

#### Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 15 mg

Styrene

#### Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

#### Rabbit - Skin - Moderate irritant

Amount/concentration applied: 100 %

Propylene glycol

#### Child - Skin - Moderate irritant

Duration of treatment/exposure: 96 hours

Amount/concentration applied: 30 % C

#### Human - Skin - Mild irritant

Duration of treatment/exposure: 168 hours

Amount/concentration applied: 500 mg

#### Human - Skin - Moderate irritant

Duration of treatment/exposure: 72 hours

Amount/concentration applied: 104 mg I

#### Woman - Skin - Mild irritant

Duration of treatment/exposure: 96 hours

Amount/concentration applied: 30 %

Dibutyltin dilaurate

#### Rabbit - Skin - Severe irritant

Amount/concentration applied: 500 mg

cumene

#### Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 10 mg

#### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

Toluene

#### Pig - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 250 uL

#### Rabbit - Skin - Mild irritant

Amount/concentration applied: 435 mg

#### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

#### Rabbit - Skin - Moderate irritant

Amount/concentration applied: 500 mg

## SECTION 11: Toxicological information

benzene

### Rat - Skin - Mild irritant

Duration of treatment/exposure: 8 hours

Amount/concentration applied: 60 uL

### Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 15 mg

### Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

**Conclusion/Summary [Product]** : Not available.

### Serious eye damage/eye irritation

#### **Product/ingredient name**

Xylene

#### **Result**

##### **Rabbit - Eyes - Mild irritant**

Amount/concentration applied: 87 mg

##### **Rabbit - Eyes - Severe irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Solvent naphtha (petroleum), light aromatic

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 uL

n-Butyl acetate

##### **Rabbit - Eyes - Moderate irritant**

Amount/concentration applied: 100 mg

Ethylbenzene

##### **Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 500 mg

Styrene

##### **Human - Eyes - Mild irritant**

Amount/concentration applied: 50 ppm

##### **Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

##### **Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 100 mg

Propylene glycol

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

##### **Rabbit - Eyes - Mild irritant**

Amount/concentration applied: 100 mg

Dibutyltin dilaurate

##### **Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

cumene

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

##### **Rabbit - Eyes - Mild irritant**

Amount/concentration applied: 86 mg

Toluene

##### **Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 0.5 minutes

Amount/concentration applied: 100 mg



## SECTION 11: Toxicological information

### Rabbit - Eyes - Mild irritant

Amount/concentration applied: 870 ug

### Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

### Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

benzene

### Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 88 mg

### Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

### Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

**Conclusion/Summary [Product]** : Not available.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : Not available.

### Respiratory or skin sensitization

Not available.

### Skin

**Conclusion/Summary [Product]** : Not available.

### Respiratory

**Conclusion/Summary [Product]** : Not available.

### Germ cell mutagenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Carcinogenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Reproductive toxicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Specific target organ toxicity (single exposure)

**Product/ingredient name**

**Result**

## SECTION 11: Toxicological information

|   |  |
|---|--|
| Xylene                                      | STOT SE 3, H335 (Respiratory tract irritation) |
| Solvent naphtha (petroleum), light aromatic | STOT SE 3, H335 (Respiratory tract irritation) |
|   | STOT SE 3, H336 (Narcotic effects)             |
| n-Butyl acetate                             | STOT SE 3, H336 (Narcotic effects)             |
| 2-Methoxy-1-methylethyl acetate             | STOT SE 3, H336 (Narcotic effects)             |
| Ethyl acetate                               | STOT SE 3, H336 (Narcotic effects)             |
| Styrene                                     | STOT SE 3, H335 (Respiratory tract irritation) |
| iso-butanol                                 | STOT SE 3, H335 (Respiratory tract irritation) |
|   | STOT SE 3, H336 (Narcotic effects)             |
| Dibutyltin dilaurate                        | STOT SE 1, H370                                |
| cumene                                      | STOT SE 3, H335 (Respiratory tract irritation) |
| Toluene                                     | STOT SE 3, H336 (Narcotic effects)             |

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Result  |
|-------------------------|---|
| Xylene                  | STOT RE 2, H373 (oral, inhalation)                  |
| Ethylbenzene            | STOT RE 2, H373 (hearing organs) (oral, inhalation) |
| Styrene                 | STOT RE 1, H372                                     |
| Dibutyltin dilaurate    | STOT RE 1, H372                                     |
| Toluene                 | STOT RE 2, H373                                     |
| benzene                 | STOT RE 1, H372                                     |

### Aspiration hazard

| Product/ingredient name                     | Result                         |
|---|--------------------------------|
| Xylene                                      | ASPIRATION HAZARD - Category 1 |
| Solvent naphtha (petroleum), light aromatic | ASPIRATION HAZARD - Category 1 |
| Ethylbenzene                                | ASPIRATION HAZARD - Category 1 |
| Styrene                                     | ASPIRATION HAZARD - Category 1 |
| cumene                                      | ASPIRATION HAZARD - Category 1 |
| Toluene                                     | ASPIRATION HAZARD - Category 1 |
| benzene                                     | ASPIRATION HAZARD - Category 1 |

### Information on likely routes of exposure

Not available.

### Potential acute health effects

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : Causes serious eye irritation.                               |
| <b>Inhalation</b>   | : May cause respiratory irritation.                            |
| <b>Skin contact</b> | : Causes skin irritation. May cause an allergic skin reaction. |
| <b>Ingestion</b>    | : No known significant effects or critical hazards.            |

### Symptoms related to the physical, chemical and toxicological characteristics

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing  |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Ingestion</b>    | : No specific data.  |

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

#### Short term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Long term exposure

## SECTION 11: Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

**General** : May cause damage to organs through prolonged or repeated exposure. 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**

☑ Solvent naphtha (petroleum), light aromatic

#### **Result**

##### **Acute - LC50**

Fish  
9.2 mg/l [96 hours]

##### **Acute - EC50**

Daphnia  
3.2 mg/l [48 hours]

n-Butyl acetate

##### **Acute - LC50 - Fresh water**

Fish - Fathead minnow - *Pimephales promelas*  
Age: 31 to 32 days; Size: 21.6 mm; Weight: 0.175 g  
18000 µg/l [96 hours]  
Effect: Mortality

##### **Acute - LC50 - Marine water**

Crustaceans - Brine shrimp - *Artemia salina*  
32 mg/l [48 hours]  
Effect: Mortality

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 - LC50**

OECD [Fish, Acute Toxicity Test]  
Fish - *Brachydanio rerio*  
0.9 mg/l [96 hours]

##### **EC50**

OECD [Alga, Growth Inhibition Test]  
Aquatic plants - *Desmodesmodus subspicatus*  
1.68 mg/l [72 hours]

##### **Chronic - NOEC**

OECD [Daphnia Magna Reproduction Test]  
Daphnia - Daphnia  
1 mg/l [21 days]

Ethyl acetate

##### **Acute - LC50 - Fresh water**

Daphnia - Water flea - *Daphnia cucullata*  
Age: 11 days  
154000 µg/l [48 hours]  
Effect: Mortality

##### **Acute - LC50 - Fresh water**

Fish - Indian catfish - *Heteropneustes fossilis*

## SECTION 12: Ecological information

Size: 14.16 cm; Weight: 25.54 g  
212500 µg/l [96 hours]  
Effect: Mortality

### Acute - EC50 - Fresh water

Algae - Green algae - *Selenastrum sp.*  
2500000 µg/l [96 hours]

### Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*  
12 mg/l [21 days]  
Effect: Behavior

### Chronic - NOEC - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Embryo  
Age: <24 hours  
75.6 mg/l [32 days]  
Effect: Mortality

Styrene

### Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*  
Age: 30 days; Size: 19 mm; Weight: 0.101 g  
4020 µg/l [96 hours]  
Effect: Mortality

### Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*  
Age: ≤24 hours  
4700 µg/l [48 hours]  
Effect: Mortality

### Acute - EC50 - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata*  
720 µg/l [96 hours]  
Effect: Population

### Chronic - NOEC - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata*  
63 µg/l [96 hours]  
Effect: Population

Propylene glycol

### Acute - LC50 - Fresh water

EU  
Fish - Trout - *Oncorhynchus mykiss*  
40613 mg/l [96 hours]

### Acute - EC50 - Fresh water

EU  
Algae - Algae  
19300 mg/l [96 hours]

### Acute - LC50 - Fresh water

Crustaceans - Water flea - *Ceriodaphnia dubia*  
Age: <24 hours  
18340000 µg/l [48 hours]  
Effect: Mortality

iso-butanol

### Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*  
Weight: 1.67 g  
1330000 µg/l [96 hours]  
Effect: Mortality

### Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina*

## SECTION 12: Ecological information

|                      |   |
|----------------------|---|
|                      | 600 mg/l [48 hours]<br><u>Effect</u> : Mortality  |
| Dibutyltin dilaurate | <b>Chronic - EC10 - Fresh water</b><br>Algae - Green algae - <i>Desmodesmus subspicatus</i><br>>2 mg/l [96 hours]<br><u>Effect</u> : Histology  |
| cumene               | <b>Acute - LC50 - Fresh water</b><br>Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i><br>2700 µg/l [96 hours]<br><u>Effect</u> : Mortality<br><br><b>Acute - EC50 - Marine water</b><br>Crustaceans - Brine shrimp - <i>Artemia sp.</i> - Nauplii<br><u>Age</u> : 2 to 3<br>7.4 mg/l [48 hours]<br><u>Effect</u> : Intoxication  |
| Toluene              | <b>Acute - LC50 - Fresh water</b><br>Fish - Coho salmon,silver salmon - <i>Oncorhynchus kisutch</i> - Fry<br><u>Weight</u> : 1 g<br>5500 µg/l [96 hours]<br><u>Effect</u> : Mortality<br><br><b>Acute - EC50 - Fresh water</b><br>Algae - Green algae - <i>Pseudokirchneriella subcapitata</i><br>12500 µg/l [72 hours]<br><u>Effect</u> : Growth<br><br><b>Chronic - NOEC - Fresh water</b><br>Daphnia - Water flea - <i>Daphnia magna</i><br><u>Age</u> : ≤24 hours<br>1000 µg/l [21 days]<br><u>Effect</u> : Reproduction<br><br><b>Acute - EC50 - Fresh water</b><br>Daphnia - Water flea - <i>Daphnia magna</i> - Neonate<br><u>Age</u> : ≤24 hours<br>5.56 mg/l [48 hours]<br><u>Effect</u> : Intoxication                                    |
| benzene              | <b>Chronic - NOEC - Marine water</b><br>Fish - Striped bass - <i>Morone saxatilis</i> - Juvenile (Fledgling, Hatchling, Weanling)<br><u>Size</u> : 18.1 cm; <u>Weight</u> : 3.39 g<br>1.5 to 5.4 µl/l [4 weeks]<br><u>Effect</u> : Growth<br><br><b>Acute - LC50 - Fresh water</b><br>Fish - Pink salmon - <i>Oncorhynchus gorbuscha</i> - Fry<br>5.28 µl/l [96 hours]<br><u>Effect</u> : Mortality<br><br><b>Acute - EC50 - Fresh water</b><br>Algae - Green algae - <i>Pseudokirchneriella subcapitata</i><br>29000 µg/l [72 hours]<br><u>Effect</u> : Growth<br><br><b>Acute - EC50 - Fresh water</b><br>Daphnia - Water flea - <i>Daphnia magna</i> - Neonate<br><u>Age</u> : ≤24 hours<br>9.23 mg/l [48 hours]<br><u>Effect</u> : Intoxication |

## SECTION 12: Ecological information

### Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: <24 hours

98 mg/l [21 days]

Effect: Reproduction

### Chronic - EC10 - Fresh water

Algae - Green algae - *Desmodesmus subspicatus*

>1360 mg/l [96 hours]

Effect: Population

**Conclusion/Summary [Product]** : Not available.

### 12.2 Persistence and degradability

#### Product/ingredient name

#### Result

iso-butanol

74% [28 days] - Readily

**Conclusion/Summary [Product]** : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Propylene glycol        | -                 | -          | Readily          |
| iso-butanol             | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name                     | LogP <sub>ow</sub> | BCF         | Potential |
|---|--------------------|-------------|-----------|
| Xylene                                      | 3.12               | 8.1 to 25.9 | Low       |
| Solvent naphtha (petroleum), light aromatic | -                  | 10 to 2500  | High      |
| n-Butyl acetate                             | 2.3                | -           | Low       |
| Ethylbenzene                                | 3.6                | -           | Low       |
| 2-Methoxy-1-methylethyl acetate             | 1.2                | -           | Low       |
| Ethyl acetate                               | 0.68               | 30          | Low       |
| Styrene                                     | 2.96               | 13.49       | Low       |
| Propylene glycol                            | -1.07              | -           | Low       |
| iso-butanol                                 | 1                  | -           | Low       |
| Dibutyltin dilaurate                        | 4.44               | 2.91        | Low       |
| cumene                                      | 3.55               | 35.48       | Low       |
| Toluene                                     | 2.73               | 90          | Low       |
| benzene                                     | 2.13               | 11          | Low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

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## SECTION 12: Ecological information

| Product/ingredient name   | PBT | P  | B  | T   | vPvB | vP | vB |
|---|-----|----|----|-----|------|----|----|
| Xylene  | No  | No | No | Yes | No   | No | No |
| Solvent naphtha (petroleum), light aromatic   | No  | No | No | No  | No   | No | No |
| n-Butyl acetate   | No  | No | No | No  | No   | No | No |
| Ethylbenzene  | No  | No | No | Yes | No   | No | No |
| 2-Methoxy-1-methylethyl acetate   | No  | No | No | No  | No   | No | No |
| Reaction mass of Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | No  | No | No | Yes | No   | No | No |
| Ethyl acetate   | No  | No | No | No  | No   | No | No |
| Styrene   | No  | No | No | Yes | No   | No | No |
| Propylene glycol  | No  | No | No | No  | No   | No | No |
| iso-butanol   | No  | No | No | No  | No   | No | No |
| Dibutyltin dilaurate  | No  | No | No | Yes | No   | No | No |
| cumene  | No  | No | No | No  | No   | No | No |
| Toluene   | No  | No | No | Yes | No   | No | No |
| benzene   | No  | No | No | Yes | No   | No | No |

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 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.

**European waste catalogue (EWC)** : 080111\*, 200127\*

#### 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.

**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 | ADN    | IMDG   | IATA   |
|-------------------------------------|---------|--------|--------|--------|
| <b>14.1 UN number</b>               | UN1263  | UN1263 | UN1263 | UN1263 |
| <b>14.2 UN proper shipping name</b> | PAINT   | PAINT  | PAINT  | PAINT  |
|                                     |         |        |        |        |

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## SECTION 14: Transport information

|                                 |  |  |   |  |
|---------------------------------|--|--|---|--|
| 14.3 Transport hazard class(es) | 3<br> | 3<br> | 3<br> | 3<br> |
| 14.4 Packing group              | III  | III  | III   | III  |
| 14.5 Environmental hazards      | No.  | No.  | No.   | No.  |

### Additional information

**ADR/RID** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.  
**Tunnel code** (D/E)

**ADN** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.

**IMDG** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.

**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 relevant/applicable due to nature of the product.

## 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.

##### Ozone depleting substances

Not listed.

##### Prior Informed Consent (PIC)

Not listed.

##### Persistent Organic Pollutants

Not listed.

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

| Product/ingredient name | %    | Designation [Usage] |
|-------------------------|------|---------------------|
| TEKNODUR 0090           | ≥90  | 3                   |
| Toluene                 | ≤0.1 | 48                  |
| benzene                 | <0.1 | 5                   |
|                         |      | 72                  |

##### Seveso Directive

This product is controlled under the Seveso Directive.

##### Danger criteria

## SECTION 15: Regulatory information

### Category

P5c

### National regulations

| Product/ingredient name | List name      | Name on list | Classification | Notes |
|-------------------------|----------------|--------------|----------------|-------|
| benzene                 | EH40/2005 WELs | -            | Carc           | -     |

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

### 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.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

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<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

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## SECTION 16: Other information

### [Full text of abbreviated H statements](#)

|        |  |
|--------|--|
| H225   | Highly flammable liquid and vapour.                                |
| H226   | Flammable liquid and vapour.                                       |
| H304   | May be fatal if swallowed and enters airways.                      |
| 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.                                     |
| H332   | Harmful if inhaled.  |
| H335   | May cause respiratory irritation.                                  |
| H336   | May cause drowsiness or dizziness.                                 |
| H340   | May cause genetic defects.   |
| H341   | Suspected of causing genetic defects.                              |
| H350   | May cause cancer.  |
| H360   | May damage fertility or the unborn child.                          |
| H361   | Suspected of damaging fertility or the unborn child.               |
| H361d  | Suspected of damaging the unborn child.                            |
| H361f  | Suspected of damaging fertility.                                   |
| H370   | Causes damage to organs.   |
| H372   | Causes damage to organs through prolonged or repeated exposure.    |
| 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.              |

### [Full text of classifications](#)

|                   |   |
|-------------------|---|
| 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. 1A          | CARCINOGENICITY - Category 1A                                   |
| 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                                  |
| Muta. 1B          | GERM CELL MUTAGENICITY - Category 1B                            |
| Muta. 2           | GERM CELL MUTAGENICITY - Category 2                             |
| Repr. 1B          | REPRODUCTIVE TOXICITY - Category 1B                             |
| Repr. 2           | REPRODUCTIVE TOXICITY - Category 2                              |
| Skin Corr. 1C     | SKIN CORROSION/IRRITATION - Category 1C                         |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                          |
| Skin Sens. 1      | SKIN SENSITISATION - Category 1                                 |
| Skin Sens. 1A     | SKIN SENSITISATION - Category 1A                                |
| STOT RE 1         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT RE 2         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| 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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### [Notice to reader](#)

## SECTION 16: Other information

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

