SAFETY DATA SHEET



Hardtop One

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

1.1 Product identifier

Product name : Hardtop One
Product code : 12020
Product description : Paint.
Product type : Liquid.

Other means of : Not available.

identification

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

Use in coatings - Industrial use
Use in coatings - Professional use

1.3 Details of the supplier of the safety data sheet

Jotun A/S P.O.Box 2021 3202 Sandefjord Norway

Tel: + 47 33 45 70 00 Fax: +47 33 45 72 42 E-mail: SDSJotun@jotun.no

1.4 Emergency telephone number

Norwegian National Poison Centre: +47 22 59 13 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

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

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360D

STOT RE 2, H373 (central nervous system (CNS))

Aquatic Chronic 3, H412

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

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

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

2.2 Label elements

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 1/20

SECTION 2: Hazards identification

Hazard pictograms









Signal word : Danger.

Hazard statements : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H360D - May damage the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

(central nervous system (CNS))

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

General : Not applicable.

Prevention : P201 - Obtain special instructions before use.

P280 - Wear protective gloves, protective clothing, eye protection, face protection,

or hearing protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P273 - Avoid release to the environment. P260 - Do not breathe vapour or spray.

Response : P308 + P313 - IF exposed or concerned: Get medical advice or attention.

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. P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor.

: Not applicable. **Storage**

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Hazardous ingredients : xylene

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

1,2-ethanediamine, n-[3-(dimethoxymethylsilyl)propyl]-

2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl

2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers

dioctvltin dilaurate n-butyl methacrylate 2-hydroxyethyl acrylate

Supplemental label elements

: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed.

Do not breathe spray or mist.

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

: Restricted to professional users.

Special packaging requirements

Containers to be fitted with child-resistant

: Not applicable.

fastenings

Tactile warning of danger : Not applicable.

2.3 Other hazards

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 2/20

SECTION 2: Hazards identification

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 | Specific Conc. Limits, M-factors and ATEs | Type |
|---|--|------|---|--|---------|
| xylene | REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 | ≤10 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ | [1] [2] |
| hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | REACH #: 01-2119458049-33 EC: 919-446-0 CAS: - | ≤5 | Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 (central nervous system (CNS)) (inhalation) Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 | - | [1] |
| 1,2-ethanediamine, n-[3- (dimethoxymethylsilyl) propyl]- | EC: 221-336-6 CAS: 3069-29-2 | ≤5 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 | ATE [Oral] = 500 mg/kg | [1] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≤3 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Inhalation (vapours)] = 11 mg/ | [1] [2] |
| hydrocarbons, C9, aromatics | REACH #: 01-2119455851-35 EC: 918-688-5 CAS: 128601-23-0 | ≤3 | Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 | - | [1] |
| butan-1-ol | REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6 | ≤2.2 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | ATE [Oral] = 500 mg/kg | [1] [2] |

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 3/20

SECTION 3: Composition/information on ingredients

| = | | | <u> </u> | | |
|---|--|------|---|--|---------|
| 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers | CAS: 1259547-09-5 | <1 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 | - | [1] |
| dioctyltin dilaurate | EC: 222-883-3 CAS: 3648-18-8 | <1 | Repr. 1B, H360D STOT RE 1, H372 (immune system) | - | [1] [2] |
| n-butyl methacrylate | REACH #: 01-2119486394-28 EC: 202-615-1 CAS: 97-88-1 Index: 607-033-00-5 | ≤0.3 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 | - | [1] [2] |
| 2-hydroxyethyl acrylate | EC: 212-454-9 CAS: 818-61-1 Index: 607-072-00-8 | <0.1 | Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 | ATE [Dermal] = 298 mg/kg Skin Sens. 1, H317: C ≥ 0.2% M [Acute] = 1 | [1] |
| Oleic acid, compound | EC: 251-846-4 CAS: 34140-91-5 | ≤0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 See Section 16 for the full text of the H statements declared above. | M [Acute] = 10 | [1] |

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

Type

Ingestion

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit

This mixture contains ≥ 1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

| 4. I Description of mist ala mi | 5030103 |
|---------------------------------|---|
| General | : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. |
| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. |

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 4/20

Keep person warm and at rest. Do NOT induce vomiting.

: If swallowed, seek medical advice immediately and show the container or label.

SECTION 4: First aid measures

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 watering redness

Inhalation : Adverse symptoms may include the following:

reduced foetal weight increase in foetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations

Ingestion: Adverse symptoms may include the following:

stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

See toxicological information (Section 11)

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.

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 5/20

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.

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.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

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

Date of issue/Date of revision : 07.05.2024 : 07.05.2024 Version : 2.01 6/20 Date of previous issue

SECTION 7: Handling and storage

Danger criteria

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

See Technical Data Sheet / packaging for further information.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|-------------------------|---|
| xylene | FOR-2011-12-06-1358 (Norway, 12/2022). [xylen] Absorbed through skin. Notes: H E TWA: 108 mg/m³ 8 hours. TWA: 25 ppm 8 hours. |
| ethylbenzene | FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through skin. Notes: H K E TWA: 5 ppm 8 hours. TWA: 20 mg/m³ 8 hours. |
| butan-1-ol | FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through skin. Notes: H T CEIL: 75 mg/m³ CEIL: 25 ppm |
| dioctyltin dilaurate | FOR-2011-12-06-1358 (Norway, 12/2022). [tinnforbindelser, organiske] Absorbed through skin. TWA: 0.1 mg/m³, (calculated as Sn) 8 hours. |
| n-butyl methacrylate | FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser. Notes: A TWA: 10 ppm 8 hours. TWA: 59 mg/m³ 8 hours. |

Recommended monitoring procedures

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

DNELs/DMELs

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 7/20

SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|--|--------|--------------------------|------------------------|---|-------------|
| xylene | DNEL | Long term Oral | 5 mg/kg | General | Systemic |
| - | | | bw/day | population | |
| | DNEL | Long term | 65.3 mg/m ³ | General | Local |
| | | Inhalation | | population | |
| | DNEL | Long term | 65.3 mg/m ³ | | Systemic |
| | חאבי | Inhalation | 105 ma/ka | population | Systemic |
| | DNEL | Long term Dermal | 125 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 212 mg/kg | Workers | Systemic |
| | DIVLL | Long term Dermai | bw/day | WORKEIS | Oystonio |
| | DNEL | Long term | 221 mg/m ³ | Workers | Local |
| | | Inhalation | | | |
| | DNEL | Long term | 221 mg/m ³ | Workers | Systemic |
| | | Inhalation | | | |
| | DNEL | Short term | 260 mg/m ³ | General | Local |
| | DNEL | Inhalation | 000/3 | population | Customaia |
| | DINEL | Short term Inhalation | 260 mg/m ³ | General population | Systemic |
| | DNEL | Short term | 442 mg/m³ | Workers | Local |
| | | Inhalation | 9/111 | | |
| | DNEL | Short term | 442 mg/m ³ | Workers | Systemic |
| | | Inhalation | | | |
| hydrocarbons, C9-C12, n-alkanes, | DNEL | Long term | 330 mg/m ³ | Workers | Systemic |
| isoalkanes, cyclics, aromatics | | Inhalation | | | |
| (2-25%) | DNEL | Long term Dermal | 44 mg/kg | Workers | Systemic |
| | DINLL | Long term Dermai | bw/day | WOIKEIS | Systemic |
| | DNEL | Long term | 71 mg/m ³ | General | Systemic |
| | | Inhalation | J | population | -, |
| | DNEL | Long term Dermal | 26 mg/kg | General | Systemic |
| | | | bw/day | population | |
| | DNEL | Long term Oral | 26 mg/kg | General | Systemic |
| 1.0 other adjacetic at 10 | חאורו | Charttanna Oral | bw/day | population | Customaia |
| 1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl]- | DNEL | Short term Oral | 1.5 mg/kg bw/day | General population | Systemic |
| (difficultoxyfficultylishyf)propyij- | DNEL | Long term Oral | 1.5 mg/kg | General | Systemic |
| | | | bw/day | population | -, |
| | DNEL | Long term Dermal | 1.5 mg/kg | General | Systemic |
| | | | bw/day | population | _ |
| | DNEL | Long term Dermal | 3 mg/kg | Workers | Systemic |
| | DNEL | Long term | bw/day 5.2 mg/m³ | General | Systemic |
| | DINEL | Inhalation | J.Z 1119/111 | population | Oysternic |
| | DNEL | Long term | 21.1 mg/m ³ | | Systemic |
| | | Inhalation | | | |
| | DNEL | Short term | 26400 mg/ | General | Systemic |
| attention or an array | D145: | Inhalation | m³ | population | 1 1 |
| ethylbenzene | DMEL | Long term Inhalation | 442 mg/m ³ | Workers | Local |
| | DMEL | Short term | 884 mg/m³ | Workers | Systemic |
| | D.VILL | Inhalation | 30 i ilig/ili | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - 301011110 |
| | DNEL | Long term Oral | 1.6 mg/kg | General | Systemic |
| | | | bw/day | population | |
| | DNEL | Long term | 15 mg/m³ | General | Systemic |
| | DNE | Inhalation | 77 ma/m3 | population Workers | Systemia |
| | DNEL | Long term Inhalation | 77 mg/m³ | VVUIKEIS | Systemic |
| | DNEL | Long term Dermal | 180 mg/kg | Workers | Systemic |
| | | | bw/day | | |
| | DNEL | Short term | 293 mg/m ³ | Workers | Local |
| | | Inhalation | | | |
| | | | | | · |

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 8/20

SECTION 8: Exposure controls/personal protection

| hydrocarbons, C9, aromatics | DNEL | Long term Dermal | 12.5 mg/ kg bw/day | Workers | Systemic |
|-----------------------------|-------|-------------------|---|-------------|---------------|
| | DNEL | Long term | 151 mg/m ³ | Workers | Systemic |
| | | Inhalation | · · | | • |
| | DNEL | Long term Dermal | 7.5 mg/kg | General | Systemic |
| | | Zong tonin Bonnai | bw/day | population | Cycle inic |
| | | | DW/day | [Consumers] | |
| | DNEL | Long term | 32 mg/m³ | General | Systemia |
| | DINEL | · · | 32 mg/m | | Systemic |
| | | Inhalation | | population | |
| | DATE | | 7.5 " | [Consumers] | |
| | DNEL | Long term Oral | 7.5 mg/kg | General | Systemic |
| | | | bw/day | population | |
| | | | | [Consumers] | |
| | DNEL | Long term | 0.41 mg/m ³ | General | Systemic |
| | | Inhalation | | population | |
| | DNEL | Long term | 1.9 mg/m ³ | Workers | Systemic |
| | | Inhalation | | | |
| | DNEL | Long term | 178.57 mg/ | General | Local |
| | | Inhalation | m³ | population | |
| | DNEL | Short term | 640 mg/m ³ | General | Local |
| | | Inhalation | - · · · · · · · · · · · · · · · · · · · | population | |
| | DNEL | Long term | 837.5 mg/ | Workers | Local |
| | | Inhalation | m³ | | 25001 |
| | DNEL | Short term | 1066.67 | Workers | Local |
| | DIVLE | Inhalation | mg/m³ | WOIKOIO | Local |
| | DNEL | Short term | 1152 mg/ | General | Systemic |
| | DIVLE | Inhalation | m ³ | population | Cysternio |
| | DNEL | Short term | 1286.4 mg/ | Workers | Systemic |
| | DIVLL | Inhalation | m ³ | WORKEIS | Oysternio |
| butan-1-ol | DNEL | Long term Oral | 1.5625 mg/ | General | Systemic |
| batan 1 or | DIVE | Long torm oral | kg bw/day | population | Cyclonic |
| | DNEL | Long term Dermal | 3.125 mg/ | General | Systemic |
| | | Long torm Borria | kg bw/day | population | Cyclonic |
| | DNEL | Long term | 55.357 mg/ | General | Systemic |
| | | Inhalation | m³ | population | Cyclonic |
| | DNEL | Long term | 155 mg/m³ | General | Local |
| | DIVLE | Inhalation | 100 mg/m | population | Local |
| | DNEL | Long term | 310 mg/m ³ | Workers | Local |
| | DIVE | Inhalation | o ro mg/m | Workoro | Local |
| dioctyltin dilaurate | DNEL | Long term Oral | 0.0005 mg/ | General | Systemic |
| diootyliiri diiddidto | DIVLE | Long torm Oral | kg bw/day | population | Cysternio |
| | DNEL | Long term | 0.0009 mg/ | | Systemic |
| | | Inhalation | m ³ | population | Systemio |
| | DNEL | Long term | 0.0035 mg/ | Workers | Systemic |
| | | Inhalation | m ³ | | - , 5.5.7.115 |
| n-butyl methacrylate | DNEL | Long term Dermal | 3 mg/kg | General | Systemic |
| satysalasi yiato | | | bw/day | population | - , 5.5.7.115 |
| | DNEL | Long term Dermal | 5 mg/kg | Workers | Systemic |
| | | | bw/day | | - , |
| | DNEL | Long term | 66.5 mg/m ³ | General | Systemic |
| | | Inhalation | , , , , , , , , , , , , , , , , , , , | population | - , |
| | DNEL | Long term | 366.4 mg/ | General | Local |
| | | Inhalation | m³ | population | |
| | DNEL | Long term | 409 mg/m ³ | Workers | Local |
| | | Inhalation | | | |
| | DNEL | Long term | 415.9 mg/ | Workers | Systemic |
| | | Inhalation | m³ | | |
| 2-hydroxyethyl acrylate | DNEL | Long term | 2.4 mg/m ³ | Workers | Local |
| , , , , - | | Inhalation | J, | | |
| Oleic acid, compound | DNEL | Long term Oral | 5 µg/kg bw/ | General | Systemic |
| , | |] | day | population | ' |
| | DNEL | Long term Dermal | 5 µg/kg bw/ | | Systemic |
| | | | day | population | |
| ı | 1 | 1 | , | | ı |

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 9/20

| Hardtop One | | | | |
|-------------------------------|-------------------------|--------------------|--------------------|----------|
| SECTION 8: Exposure controls/ | personal prote | ction | | |
| DNEL | Long term Dermal | 14 µg/kg bw/day | Workers | Systemic |
| DNEL | Long term Inhalation | 17.4 µg/m³ | General population | Systemic |
| DNEL | Long term Inhalation | 98.4 μg/m³ | Workers | Systemic |

PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|-------------------------|---------------------------|------------------|---------------|
| xylene | Fresh water | 0.327 mg/l | - |
| | Marine | 0.327 mg/l | - |
| | Sewage Treatment Plant | 6.58 mg/l | - |
| | Fresh water sediment | 12.46 mg/kg dwt | - |
| | Marine water sediment | 12.46 mg/kg dwt | - |
| | Soil | 2.31 mg/kg dwt | - |
| ethylbenzene | Fresh water | 0.1 mg/l | - |
| • | Marine | 0.01 mg/l | - |
| | Sewage Treatment Plant | 9.6 mg/I | - |
| | Fresh water sediment | 13.7 mg/kg dwt | - |
| | Soil | 2.68 mg/kg dwt | - |
| | Secondary Poisoning | 20 mg/kg | - |
| butan-1-ol | Fresh water | 0.082 mg/l | - |
| | Marine | 0.0082 mg/l | - |
| | Sewage Treatment Plant | 2476 mg/l | - |
| | Fresh water sediment | 0.178 mg/kg dwt | - |
| | Marine water sediment | 0.0178 mg/kg dwt | - |
| | Soil | 0.015 mg/kg dwt | - |

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

: Safety eyewear complying to ISO 16321-1:2022 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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 10/20

SECTION 8: Exposure controls/personal protection

maintenance.

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

Gloves

Wear suitable gloves tested to ISO 374-1:2016.

Not recommended, gloves(breakthrough time) < 1 hour: butyl rubber (> 0.4 mm)

May be used, gloves(breakthrough time) 4 - 8 hours: fluor rubber (> 0.35 mm), Viton® (> 0.7 mm), neoprene (> 0.35 mm), PVC (> 0.5 mm)

Recommended, gloves(breakthrough time) > 8 hours: 4H/Silver Shield® (> 0.07 mm), Teflon (> 0.35 mm), polyvinyl alcohol (PVA) (> 0.3 mm), nitrile rubber (> 0.75 mm)

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

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 : Use chemical-resistant protective suit / disposable overall.

Personnel should wear antistatic clothing made of natural fibres or of high-

temperature-resistant synthetic fibres.

: Appropriate footwear and any additional skin protection measures should be Other skin protection

selected based on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

: If workers are exposed to concentrations above the exposure limit, they must use a Respiratory protection

respirator according to EN 140. Use respiratory mask with charcoal and dust filter when spraying this product, according to EN 14387 (as filter combination A2-P2). In confined spaces, use compressed-air or fresh-air respiratory equipment. When use

of roller or brush, consider use of charcoalfilter.

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 Black, Blue., Green., Grey, MCI Base 1, MCI Base 2, MCI Base 3, MCI Base 5,

Orange, Red, White., Yellow.

Odour : Characteristic. Not applicable. **Odour threshold**

Melting point/freezing point : Not applicable. : Lowest known value: 119°C (246.2°F) (butan-1-ol). Weighted average:

Initial boiling point and boiling range

165.49°C (329.9°F)

Flammability : Not applicable.

Lower and upper explosion

limit

Flash point

: Greatest known range: Lower: 1.4% Upper: 11.3% (butan-1-ol)

: Closed cup: 28°C

Auto-ignition temperature Lowest known value: 280 to 470°C (536 to 878°F) (hydrocarbons, C9-C12, n-

alkanes, isoalkanes, cyclics, aromatics (2-25%)).

Decomposition temperature

pН : Not applicable.

Viscosity Kinematic (40°C): >20.5 mm²/s

: Not available.

Solubility in water : cold water Not soluble Not soluble hot water

Date of issue/Date of revision : 07.05.2024 : 07.05.2024 Version : 2.01 11/20 Date of previous issue

SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/ : Not available.

water

Vapour pressure : Highest known value: 2.7 kPa (20.3 mm Hg) (at 20°C) (hydrocarbons, C9-C12,

n-alkanes, isoalkanes, cyclics, aromatics (2-25%)). Weighted average: 1.14

kPa (8.55 mm Hg) (at 20°C)

Evaporation rate: Highest known value: 0.84 (ethylbenzene) Weighted average: 0.54compared

with butyl acetate

Density : 1.245 to 1.444 g/cm³

Vapour density : Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.58 (Air = 1)

Explosive properties : Not available.

Oxidising properties : Not available.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

hazardous reactions

No additional information.

SECTION 10: Stability and reactivity

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

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

10.3 Possibility of : 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.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:

oxidising agents, strong alkalis, strong acids.

10.6 Hazardousdecomposition productscarbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

In contact with water, the product hydrolyses; during curing, releases Methanol. If the product is contaminated with water during production, transportation or storage, this may effect both flashpoint and hazard potential.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 <u>Acute toxicity</u>

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------------|------------------------|-------------|-------------|----------|
| xylene | LC50 Inhalation Vapour | Rat | 11 mg/l | 4 hours |
| | LD50 Oral | Rat | 4300 mg/kg | - |
| | TDLo Dermal | Rabbit | 4300 mg/kg | - |
| 1,2-ethanediamine, n-[3- | LD50 Oral | Mammal - | 200 mg/kg | - |
| (dimethoxymethylsilyl)propyl] | | species | | |
| - | | unspecified | | |
| ethylbenzene | LC50 Inhalation Vapour | Rat - Male | 11 mg/l | 4 hours |
| • | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 3500 mg/kg | - |
| butan-1-ol | LD50 Oral | Rat | 790 mg/kg | - |
| n-butyl methacrylate | LD50 Oral | Rat | 16 g/kg | _ |
| 2-hydroxyethyl acrylate | LD50 Dermal | Rabbit | 298 mg/kg | - |

Acute toxicity estimates

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 12/20

SECTION 11: Toxicological information

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|------------------|-------------------|--------------------------------|-----------------------------------|--|
| Hardtop One | 10999.7 | 17099.8 | N/A | 128.2 | N/A |
| xylene | 4300 | 1100 | N/A | 11 | N/A |
| 1,2-ethanediamine, n-[3-(dimethoxymethylsilyl) propyl]- | 500 | N/A | N/A | N/A | N/A |
| ethylbenzene | 3500 | N/A | N/A | 11 | N/A |
| butan-1-ol | 500 | N/A | N/A | N/A | N/A |
| n-butyl methacrylate | 16000 | N/A | N/A | N/A | N/A |
| 2-hydroxyethyl acrylate | N/A | 298 | N/A | N/A | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|------------------------------------|-------|------------------------|-------------|
| xylene | Eyes - Mild irritant | Rabbit | - | 87 milligrams | - |
| | Skin - Mild irritant | Rat | - | 8 hours 60 microliters | - |
| 1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl] | Eyes - Severe irritant | Mammal - species unspecified | - | - | - |
| | Skin - Moderate irritant | Mammal - species unspecified | - | - | - |
| n-butyl methacrylate | Eyes - Mild irritant | Mammal - species unspecified | - | - | - |
| | Skin - Mild irritant | Rabbit | - | 500 microliters | - |

Sensitisation

| Product/ingredient name | Route of exposure | Species | Result |
|---|-------------------|---------------------------------|-------------|
| 1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl] | skin | Mammal - species unspecified | Sensitising |
| 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers | skin | Mammal - species unspecified | Sensitising |
| n-butyl methacrylate | skin | Mammal - species unspecified | Sensitising |
| 2-hydroxyethyl acrylate | skin | Mammal - species unspecified | Sensitising |

Mutagenicity

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

Developmental effects: May damage the unborn child.

Fertility effects: No known significant effects or critical hazards.

Teratogenicity

May damage the unborn child.

Specific target organ toxicity (single exposure)

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 13/20

SECTION 11: Toxicological information

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|------------|-------------------|------------------------------|
| xylene | Category 3 | - | Respiratory tract irritation |
| hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | Category 3 | - | Narcotic effects |
| hydrocarbons, C9, aromatics | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |
| butan-1-ol | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |
| n-butyl methacrylate | Category 3 | - | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|------------|-------------------|---------------------------------|
| hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | Category 1 | inhalation | central nervous system (CNS) |
| ethylbenzene | Category 2 | - | hearing organs |
| dioctyltin dilaurate | Category 1 | - | immune system |
| Oleic acid, compound | Category 2 | - | - |

Aspiration hazard

| Product/ingredient name | Result |
|--|---|
| xylene hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |
| ethylbenzene hydrocarbons, C9, aromatics | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

| Product/ingredient name | Result | Species | Exposure |
|---|-----------------------------------|----------------------------------|----------|
| xylene | Acute LC50 8500 μg/l Marine water | Crustaceans - Palaemonetes pugio | 48 hours |
| | Acute LC50 13400 µg/l Fresh water | Fish - Pimephales promelas | 96 hours |
| hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | Acute EC50 <10 mg/l | Daphnia | 48 hours |
| , , | Acute IC50 <10 mg/l | Algae | 72 hours |
| | Acute LC50 <10 mg/l | Fish | 96 hours |
| ethylbenzene | Acute EC50 7700 µg/l Marine water | Algae - Skeletonema costatum | 96 hours |
| | Acute EC50 2.93 mg/l | Daphnia | 48 hours |
| | Acute LC50 4.2 mg/l | Fish | 96 hours |

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 14/20

| Hardtop One | | | | | |
|------------------------------------|-----------------------------------|--------------------------------------|----------|--|--|
| SECTION 12: Ecological information | | | | | |
| hydrocarbons, C9, aromatics | Acute EC50 <10 mg/l | Daphnia | 48 hours | | |
| | Acute IC50 <10 mg/l | Algae | 72 hours | | |
| | Acute LC50 <10 mg/l | Fish | 96 hours | | |
| n-butyl methacrylate | Chronic NOEC 2.6 mg/l Fresh water | Daphnia - Daphnia magna - Neonate | 21 days | | |
| 2-hydroxyethyl acrylate | Acute EC50 0.78 mg/l | Crustaceans - Daphnia magna | 48 hours | | |

Conclusion/Summary: This material is harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Conclusion/Summary: Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| xylene | - | | Readily |
| hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, | - | - | Not readily |
| aromatics (2-25%) | | | |
| ethylbenzene | - | | Readily |
| hydrocarbons, C9, aromatics | - | - | Not readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---|--------|-------------|-----------|
| xylene | 3.12 | 8.1 to 25.9 | low |
| hydrocarbons, C9-C12, n- | - | 10 to 2500 | high |
| alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | |
| ethylbenzene | 3.6 | - | low |
| hydrocarbons, C9, aromatics | - | 10 to 2500 | high |
| butan-1-ol | 1 | - | low |
| dioctyltin dilaurate | - | <100 | low |
| n-butyl methacrylate | 2.99 | - | low |
| 2-hydroxyethyl acrylate | -0.17 | - | low |

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: 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 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 15/20

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.

Disposal considerations

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code | Waste designation |
|------------|---|
| 08 01 11* | Waste paint and varnish containing organic solvents or other dangerous 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.

Disposal considerations

: Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

| Type of packaging | | European waste catalogue (EWC) |
|-------------------|-----------|--|
| CEPE Guidelines | 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.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|------------------------------------|---------|--------|--------|--------|
| 14.1 UN number or ID 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 |
| | | | | |

Hardtop One **SECTION 14: Transport information** Ш Ш Ш Ш 14.4 Packing group No. No. No. 14.5 Yes. **Environmental**

Additional information

hazards

ADR/RID : Hazard identification number 30

Tunnel code (D/E)

ADR/RID: Viscous substance. Not goods of class 3, ref. 2.2.3.1.5 (only applicable to

receptacles < 450 litre capacity).

: The product is only regulated as an environmentally hazardous substance when **ADN**

transported in tank vessels.

IMDG Emergency schedules F-E, S-E

IMDG: Viscous substance. Transport in accordance with 2.3.2.5 of the IMDG Code

(only applicable to receptacles < 450 litre capacity).

UN : UN: Viscous substance. Not goods of class 3, ref. 2.3.2.5 (only applicable to

receptacles < 450 litre capacity).

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

| Intrinsic property | Ingredient name | | Reference number | Date of revision |
|-----------------------|----------------------|-----------|--------------------|------------------|
| Toxic to reproduction | dioctyltin dilaurate | Candidate | D(2020) 9139-DC | 19.01.2021 |

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

: Restricted to professional users.

Other EU regulations

VOC

: The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

VOC for Ready-for-Use

Mixture

: Not available.

Industrial emissions (integrated pollution prevention and control) -**Air**

: Not listed

Date of issue/Date of revision : 07.05.2024 : 07.05.2024 Date of previous issue Version : 2.01 17/20

SECTION 15: Regulatory information

Industrial emissions : Not listed (integrated pollution

prevention and control) -

Water

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

| Annex | Ingredient name | Status |
|------------------|----------------------|--------|
| Annex I - Part 1 | dioctyltin dilaurate | Listed |

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

National regulations

Industrial use : The information contained in this safety data sheet does not constitute the user's

own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply

to the use of this product at work.

Norway

Product registration

number

: 661338

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

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 18/20

SECTION 16: Other information

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
|--|-----------------------|
| Flam. Liq. 3, H226 | On basis of test data |
| Skin Irrit. 2, H315 | Calculation method |
| Eye Dam. 1, H318 | Calculation method |
| Skin Sens. 1, H317 | Calculation method |
| Repr. 1B, H360D | Calculation method |
| STOT RE 2, H373 (central nervous system (CNS)) | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |

Full text of abbreviated H statements

| H225 | Highly flammable liquid and vapour. |
|--------|--|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H360D | May damage the unborn child. |
| 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. |
| 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 [CLP/GHS]

| 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 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. 2 | FLAMMABLE LIQUIDS - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Repr. 1B | REPRODUCTIVE TOXICITY - Category 1B |
| Skin Corr. 1B | SKIN CORROSION/IRRITATION - Category 1B |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| STOT RE 1 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

Date of printing : 07.05.2024

Date of issue/ Date of : 07.05.2024

revision

Date of previous issue : 07.05.2024

Version : 2.01

Notice to reader

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 19/20

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

Hardtop One

SECTION 16: Other information

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Date of issue/Date of revision : 07.05.2024 Date of previous issue : 07.05.2024 Version : 2.01 20/20