## **SAFETY DATA SHEET**



## Hardtop Flexi Alu Comp A

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

1.1 Product identifier

Product name : Hardtop Flexi Alu Comp A

Product code : 17100
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 Jotun Paints (Europe) Ltd.

P.O.Box 2021 Stather Road

3202 Sandefjord Flixborough, Scunthorpe Norway North Lincolnshire

Tel: + 47 33 45 70 00 DN15 8RR Fax: +47 33 45 72 42 England

E-mail: SDSJotun@jotun.no

Tel: +44 17 24 40 00 00 Fax: +44 17 24 40 01 00

1.4 Emergency telephone number

**National advisory body/Poison Centre** 

Telephone number : Contact NHS Direct; phone 0845 4647 or 111. Open 24/7.

**Supplier** 

Telephone number : +47 33 45 70 00 Jotun Norway (head office)

#### **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 Aquatic Chronic 2, H411

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

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 1/17

#### **SECTION 2: Hazards identification**

**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.

H411 - Toxic to aquatic life with long lasting effects.

**Precautionary statements** 

General : Not applicable.

**Prevention**: P280 - Wear protective gloves. Wear eye or face protection.

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

sources. No smoking.

P273 - Avoid release to the environment.

P261 - Avoid breathing vapour.

Response : P391 - Collect spillage.

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 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage : Not applicable.

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

national and international regulations.

Supplemental label

elements

: Not applicable.

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

articles

**Special packaging requirements** 

Containers to be fitted with child-resistant

fastenings

: Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a

vPvB.

Other hazards which do not result in classification

: None known.

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 2/17

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures : Mixture

| Product/ingredient name   | Identifiers  | %         | Classification  | Type    |
|---|--|-----------|---|---------|
| acrylic polymer   | -  | ≥25 - ≤50 | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317   | [1]     |
| xylene  | REACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7<br>Index: 601-022-00-9 | ≥10 - <20 | 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>Asp. Tox. 1, H304<br>Aquatic Chronic 3,<br>H412 | [1] [2] |
| n-butyl acetate   | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4                         | ≥10 - <20 | 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  | <10       | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT RE 2, H373<br>(hearing organs)<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3,<br>H412  | [1] [2] |
| trizinc bis(orthophosphate)   | REACH #:<br>01-2119485044-40<br>EC: 231-944-3<br>CAS: 7779-90-0<br>Index: 030-011-00-6 | ≤3        | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)  | [1]     |
| hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics   | REACH #:<br>01-2119457273-39<br>EC: 265-150-3<br>CAS: -                                | ≤3        | Asp. Tox. 1, H304<br>EUH066   | [1]     |
| decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate | CAS: 1065336-91-5  | <3        | Skin Sens. 1A, H317<br>Repr. 2, H361f<br>Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1)<br>See Section 16 for   | [1]     |
|   |  |           | the full text of the H statements declared above.   |         |

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

#### <u>Type</u>

- [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.

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 3/17

#### **SECTION 4: First aid measures**

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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 if adverse health effects persist or are severe. 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. 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 : No specific data.

**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.

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

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 4/17

## **SECTION 5: Firefighting measures**

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 toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products

: Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus 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.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

metal oxide/oxides

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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. Collect spillage.

### 6.3 Methods and material for containment and cleaning up

**Small spill** 

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

#### Large spill

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

## 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.

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 5/17

## **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 ingest. Avoid breathing vapour or mist. 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. 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**

|     | Notification and MAPP threshold | Safety report threshold |
|-----|---------------------------------|-------------------------|
| P5c | 5000 tonne                      | 50000 tonne             |
| E2  | 200 tonne                       | 500 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

#### 8.1 Control parameters

#### **Occupational exposure limits**

| Product/ingredient name | Exposure limit values  |  |  |
|-------------------------|--|--|--|
| kýlene                  | EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-, p- or mixed isomers] Absorbed through skin.  STEL: 441 mg/m³ 15 minutes.  STEL: 100 ppm 15 minutes.  TWA: 220 mg/m³ 8 hours.  TWA: 50 ppm 8 hours. |  |  |
| n-butyl acetate         | EH40/2005 WELs (United Kingdom (UK), 1/2020).  STEL: 966 mg/m³ 15 minutes.  STEL: 200 ppm 15 minutes.  TWA: 724 mg/m³ 8 hours.  TWA: 150 ppm 8 hours.  |  |  |

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 6/17

## **SECTION 8: Exposure controls/personal protection**

| ethylbenzene | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed |
|--------------|--|
|              | through skin.  |
|              | STEL: 552 mg/m³ 15 minutes.                            |
|              | STEL: 125 ppm 15 minutes.                              |
|              | TWA: 100 ppm 8 hours.                                  |
|              | TWA: 441 mg/m³ 8 hours.                                |

#### **Biological exposure indices**

| Product/ingredient name | Exposure indices   |
|-------------------------|--|
| <b>x</b> ylene          | EH40/2005 BMGVs (United Kingdom (UK), 8/2018) [Xylene, o-,     |
|                         | m-, p- or mixed isomers]                                       |
|                         | BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. |
|                         | Sampling time: post shift.                                     |

procedures

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

#### **DNELs/DMELs**

| Product/ingredient name | Type | Exposure                 | Value                  | Population                                 | Effects  |
|-------------------------|------|--------------------------|------------------------|--|----------|
| <b>x</b> ylene          | DNEL | Long term Oral           | 5 mg/kg<br>bw/day      | General population                         | Systemic |
|                         | DNEL | Long term<br>Inhalation  | 65.3 mg/m <sup>3</sup> |  | Local    |
|                         | DNEL | Long term<br>Inhalation  | 65.3 mg/m³             |  | Systemic |
|                         | DNEL | Long term Dermal         | 125 mg/kg<br>bw/day    | General population                         | Systemic |
|                         | DNEL | Long term Dermal         | 212 mg/kg<br>bw/day    | Workers                                    | Systemic |
|                         | DNEL | Long term<br>Inhalation  | 221 mg/m <sup>3</sup>  | Workers                                    | Local    |
|                         | DNEL | Long term<br>Inhalation  | 221 mg/m³              | Workers                                    | Systemic |
|                         | DNEL | Short term<br>Inhalation | 260 mg/m <sup>3</sup>  | General population                         | Local    |
|                         | DNEL | Short term<br>Inhalation | 260 mg/m <sup>3</sup>  | General population                         | Systemic |
|                         | DNEL | Short term<br>Inhalation | 442 mg/m³              | Workers                                    | Local    |
|                         | DNEL | Short term<br>Inhalation | 442 mg/m³              | Workers                                    | Systemic |
| n-butyl acetate         | DNEL | Short term<br>Inhalation | 960 mg/m <sup>3</sup>  | Workers                                    | Systemic |
|                         | DNEL | Short term<br>Inhalation | 960 mg/m³              | Workers                                    | Local    |
|                         | DNEL | Long term<br>Inhalation  | 480 mg/m <sup>3</sup>  | Workers                                    | Systemic |
|                         | DNEL | Long term Inhalation     | 480 mg/m <sup>3</sup>  | Workers                                    | Local    |
|                         | DNEL | Short term<br>Inhalation | 859.7 mg/<br>m³        | General population                         | Systemic |
|                         | DNEL | Short term<br>Inhalation | 859.7 mg/<br>m³        | [Consumers] General population [Consumers] | Local    |
|                         | DNEL | Long term<br>Inhalation  | 102.34 mg/<br>m³       | General population                         | Systemic |
|                         | DNEL | Long term<br>Inhalation  | 102.34 mg/<br>m³       | [Consumers] General population [Consumers] | Local    |
|                         | DNEL | Long term Oral           | 2 mg/kg                | General                                    | Systemic |

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version: 1.04

## **SECTION 8: Exposure controls/personal protection**

| •                                     |          | -                              |                                       |                           | _         |
|---------------------------------------|----------|--------------------------------|---------------------------------------|---------------------------|-----------|
|                                       | חארו     | Charttanna Oral                | bw/day                                | population                | Cyatamia  |
|                                       | DNEL     | Short term Oral                | 2 mg/kg<br>bw/day                     | General population        | Systemic  |
|                                       | DNEL     | Long term Dermal               | 3.4 mg/kg                             | General                   | Systemic  |
|                                       | DIVLL    | Long tomin Bonnar              | bw/day                                | population                | Cycloniic |
|                                       | DNEL     | Short term Dermal              | 6 mg/kg                               | General                   | Systemic  |
|                                       |          |                                | bw/day                                | population                |           |
|                                       | DNEL     | Long term Dermal               | 7 mg/kg<br>bw/day                     | Workers                   | Systemic  |
|                                       | DNEL     | Short term Dermal              | 11 mg/kg<br>bw/day                    | Workers                   | Systemic  |
|                                       | DNEL     | Long term<br>Inhalation        | 12 mg/m³                              | General<br>population     | Systemic  |
|                                       | DNEL     | Long term                      | 35.7 mg/m <sup>3</sup>                | General                   | Local     |
|                                       | DNEL     | Inhalation                     | 48 mg/m³                              | population<br>Workers     | Systemia  |
|                                       | DINEL    | Long term<br>Inhalation        | 46 mg/m²                              | vvoikeis                  | Systemic  |
|                                       | DNEL     | Short term                     | 300 mg/m <sup>3</sup>                 | General                   | Local     |
|                                       | D.122    | Inhalation                     | 000 mg/m                              | population                | 20041     |
|                                       | DNEL     | Short term                     | 300 mg/m <sup>3</sup>                 | General                   | Systemic  |
|                                       |          | Inhalation                     | _                                     | population                |           |
|                                       | DNEL     | Long term                      | 300 mg/m <sup>3</sup>                 | Workers                   | Local     |
|                                       | DNEL     | Inhalation<br>Short term       | 600 mg/m³                             | Workers                   | Local     |
|                                       | DINLL    | Inhalation                     | 000 mg/m                              | VVOIRCIS                  | Local     |
|                                       | DNEL     | Short term                     | 600 mg/m <sup>3</sup>                 | Workers                   | Systemic  |
|                                       |          | Inhalation                     |                                       |                           |           |
| ethylbenzene                          | DMEL     | Long term                      | 442 mg/m³                             | Workers                   | Local     |
|                                       |          | Inhalation                     |                                       |                           |           |
|                                       | DMEL     | Short term                     | 884 mg/m <sup>3</sup>                 | Workers                   | Systemic  |
|                                       | DNEL     | Inhalation<br>Long term Oral   | 1.6 mg/kg                             | General                   | Systemic  |
|                                       | DIVEL    | Long term Oral                 | bw/day                                | population                | Systemic  |
|                                       | DNEL     | Long term                      | 15 mg/m <sup>3</sup>                  | General                   | Systemic  |
|                                       |          | Inhalation                     | Ö                                     | population                |           |
|                                       | DNEL     | Long term                      | 77 mg/m³                              | Workers                   | Systemic  |
|                                       | DNEL     | Inhalation<br>Long term Dermal | 180 mg/kg                             | Workers                   | Systemic  |
|                                       | DINLL    | Long term berman               | bw/day                                | VVOIRCIS                  | Cysternic |
|                                       | DNEL     | Short term                     | 293 mg/m <sup>3</sup>                 | Workers                   | Local     |
|                                       |          | Inhalation                     |                                       |                           |           |
| trizinc bis(orthophosphate)           | DNEL     | Long term Dermal               | 83 mg/kg<br>bw/day                    | Workers                   | Systemic  |
|                                       | DNEL     | Long term                      | 5 mg/m³                               | Workers                   | Systemic  |
|                                       |          | Inhalation                     |                                       | _                         |           |
|                                       | DNEL     | Long term Dermal               | 83 mg/kg<br>bw/day                    | General population        | Systemic  |
|                                       |          |                                | · · · · · · · · · · · · · · · · · · · | [Consumers]               |           |
|                                       | DNEL     | Long term                      | 2.5 mg/m <sup>3</sup>                 | General                   | Systemic  |
|                                       |          | Inhalation                     |                                       | population                |           |
|                                       | D. 151   |                                |                                       | [Consumers]               |           |
|                                       | DNEL     | Long term Oral                 | 0.83 mg/                              | General                   | Systemic  |
|                                       |          |                                | kg bw/day                             | population<br>[Consumers] |           |
| decanedioic acid, 1,10-bis            | DNEL     | Long term Oral                 | 0.18 mg/                              | General                   | Systemic  |
| (1,2,2,6,6-pentamethyl-4-piperidinyl) | DIVLE    | Long torm oran                 | kg bw/day                             | population                | Cycloniic |
| ester, mixt. with 1-methyl 10-        |          |                                | ر ۵۰۰۰ عص                             | 1 -1                      |           |
| (1,2,2,6,6-pentamethyl-4-piperidinyl) |          |                                |                                       |                           |           |
| decanedioate                          |          |                                |                                       | _                         |           |
|                                       | DNEL     | Long term                      | 0.31 mg/m <sup>3</sup>                |                           | Systemic  |
|                                       | חאורי    | Inhalation                     | 0.0                                   | population                | Cyatamia  |
|                                       | DNEL     | Long term Dermal               | 0.9 mg/kg<br>bw/day                   | General population        | Systemic  |
|                                       | DNEL     | Long term                      | 1.27 mg/m <sup>3</sup>                |                           | Systemic  |
| ı                                     | J. 1.L.L | _==119 131111                  | 9,                                    |                           | -,5:5::5  |

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 8/17

## **SECTION 8: Exposure controls/personal protection**

|      | Inhalation       |           |         |          |
|------|------------------|-----------|---------|----------|
| DNEL | Long term Dermal | 1.8 mg/kg | Workers | Systemic |
|      |                  | bw/day    |         |          |

#### **PNECs**

| Product/ingredient name     | Compartment Detail        | Value            | Method Detail |
|-----------------------------|---------------------------|------------------|---------------|
| kylene                      | Fresh water               | 0.327 mg/l       | -             |
|                             | Marine                    | 0.327 mg/l       | -             |
|                             | Sewage Treatment<br>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   | -             |
| n-butyl acetate             | Fresh water               | 0.18 mg/l        | -             |
|                             | Marine                    | 0.018 mg/l       | -             |
|                             | Sewage Treatment<br>Plant | 35.6 mg/l        | -             |
|                             | Fresh water sediment      | 0.981 mg/kg dwt  | -             |
|                             | Marine water sediment     | 0.0981 mg/kg dwt | -             |
|                             | Soil                      | 0.0903 mg/kg dwt |               |
| ethylbenzene                | Fresh water               | 0.1 mg/l         | -             |
|                             | Marine                    | 0.01 mg/l        | -             |
|                             | Sewage Treatment<br>Plant | 9.6 mg/l         | -             |
|                             | Fresh water sediment      | 13.7 mg/kg dwt   | -             |
|                             | Soil                      | 2.68 mg/kg dwt   | -             |
|                             | Secondary Poisoning       | 20 mg/kg         | -             |
| trizinc bis(orthophosphate) | Fresh water               | 20.6 µg/l        | -             |
|                             | Marine                    | 6.1 µg/l         | -             |
|                             | Sewage Treatment<br>Plant | 52 μg/l          | -             |
|                             | Fresh water sediment      | 117.8 mg/kg dwt  | -             |
|                             | Marine water sediment     | 56.5 mg/kg dwt   | -             |
|                             | Soil                      | 35.6 mg/kg dwt   | -             |

#### 8.2 Exposure controls

Appropriate engineering controls

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

#### **Individual protection measures**

**Hygiene measures** 

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

**Eye/face protection** 

: 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.

Skin protection

Hand protection

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 9/17

## SECTION 8: Exposure controls/personal protection

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

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

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

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

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

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

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

#### **Gloves**

₩ear suitable gloves tested to ISO 374-1:2016.

Not recommended, gloves(breakthrough time) < 1 hour: PVC (> 0.5 mm)

May be used, gloves(breakthrough time) 4 - 8 hours: butyl rubber (> 0.4 mm), nitrile rubber (> 0.75 mm),

neoprene (> 0.35 mm), Viton® (> 0.7 mm)

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

: 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.

chemical-resistant protective suit / disposable overall

Other skin protection

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

**Respiratory protection** 

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

: Lowest known value: 126°C (258.8°F) (n-butyl acetate). Weighted average:

**Environmental exposure** 

: Do not allow to enter drains or watercourses.

controls

## 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 Grey

Odour : Characteristic. : Not applicable. **Odour threshold** Melting point/freezing point : Not applicable.

Initial boiling point and

134.12°C (273.4°F) boiling range

**Flammability** : Not applicable. Upper/lower flammability or

explosive limits

: 0.8 - 7.6%

Flash point : Closed cup: 28°C (82.4°F)

Date of issue/Date of revision : 05.04.2024 : 21.04.2023 Version: 1.04 10/17 Date of previous issue

## SECTION 9: Physical and chemical properties

**Auto-ignition temperature** Lowest known value: 280 to 470°C (536 to 878°F) (hydrocarbons, C10-C13, n-

alkanes, isoalkanes, cyclics, < 2% aromatics).

Not available. **Decomposition temperature** pΗ Not applicable.

**Viscosity** Kinematic (40°C): >20.5 mm<sup>2</sup>/s

Solubility(ies)

| Media         | Result      |
|---------------|-------------|
| <mark></mark> | Not soluble |
| hot water     | Not soluble |

Partition coefficient: n-octanol/ : Not available.

water

Vapour pressure : Highest known value: 1.5 kPa (11.3 mm Hg) (at 20°C) (n-butyl acetate).

Weighted average: 0.96 kPa (7.2 mm Hg) (at 20°C)

**Evaporation rate** : Highest known value: 1 (n-butyl acetate) Weighted average: 0.86compared with

butyl acetate

: 1.091 g/cm<sup>3</sup> **Density** 

Vapour density Highest known value: 4 (Air = 1) (n-butyl acetate). Weighted average: 3.81

(Air = 1)

**Explosive properties** : Not available. Not available. **Oxidising properties** 

**Particle characteristics** 

Median particle size : Not applicable.

#### 9.2 Other information

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. hazardous reactions

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 Hazardous : Decomposition products may include the following materials: carbon monoxide, decomposition products

carbon dioxide, smoke, oxides of nitrogen.

## SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

| Product/ingredient name | Result                 | Species    | Dose         | Exposure |
|-------------------------|------------------------|------------|--------------|----------|
| kylene                  | LC50 Inhalation Vapour | Rat        | 11 mg/l      | 4 hours  |
| •                       | LD50 Oral              | Rat        | 4300 mg/kg   | -        |
|                         | TDLo Dermal            | Rabbit     | 4300 mg/kg   | -        |
| n-butyl acetate         | LC50 Inhalation Vapour | Rat        | >21.1 mg/l   | 4 hours  |
| •                       | LD50 Dermal            | Rabbit     | >17600 mg/kg | -        |
|                         | LD50 Oral              | Rat        | 13100 mg/kg  | -        |
| ethylbenzene            | LC50 Inhalation Vapour | Rat - Male | 11 mg/l      | 4 hours  |
| •                       | LD50 Dermal            | Rabbit     | >5000 mg/kg  | -        |
|                         | LD50 Oral              | Rat        | 3500 mg/kg   | -        |

#### **Acute toxicity estimates**

Date of issue/Date of revision : 05.04.2024 : 21.04.2023 Version : 1.04 11/17 Date of previous issue

## **SECTION 11: Toxicological information**

| Product/ingredient name  | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapours)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--------------------------|------------------|-------------------|--------------------------------|-----------------------------------|--|
| Fardtop Flexi Alu Comp A | N/A              | 5873.6            | N/A                            | 44.1                              | N/A  |
| xylene                   | 4300             | 1100              | N/A                            | 11                                | N/A  |
| n-butyl acetate          | 13100            | N/A               | N/A                            | N/A                               | N/A  |
| ethylbenzene             | 3500             | N/A               | N/A                            | 11                                | N/A  |

#### **Irritation/Corrosion**

| Product/ingredient name | Result                                       | Species       | Score | Exposure                                   | Observation |
|-------------------------|--|---------------|-------|--|-------------|
| <b>x</b> ylene          | Eyes - Mild irritant<br>Skin - Mild irritant | Rabbit<br>Rat |       | 87 milligrams<br>8 hours 60<br>microliters | -           |

#### **Sensitisation**

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

#### **Mutagenicity**

No known significant effects or critical hazards.

#### **Carcinogenicity**

No known significant effects or critical hazards.

#### **Reproductive toxicity**

Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

#### **Teratogenicity**

No known significant effects or critical hazards.

#### Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs                |
|-------------------------|------------|-------------------|------------------------------|
| xylene                  | Category 3 |                   | Respiratory tract irritation |
| n-butyl acetate         | Category 3 | -                 | Narcotic effects             |

#### Specific target organ toxicity (repeated exposure)

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

#### **Aspiration hazard**

| Product/ingredient name  | Result   |
|--|--|
| ethylbenzene hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact**: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

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

**Eye contact**: Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : No specific data.

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 12/17

## **SECTION 11: Toxicological information**

**Skin contact**: Adverse symptoms may include the following:

irritation redness

**Ingestion**: No specific data.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Other information : None identified.

## **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 |
|---|-----------------------------------|---|----------|
| kylene  | Acute LC50 8500 μg/l Marine water | Crustaceans - Daggerblade<br>grass shrimp - Palaemonetes<br>pugio | 48 hours |
|   | Acute LC50 13400 μg/l Fresh water | Fish - Fathead minnow -<br>Pimephales promelas                    | 96 hours |
| ethylbenzene  | Acute EC50 7700 μg/l Marine water | Algae - Diatom - Skeletonema costatum                             | 96 hours |
|   | Acute EC50 2.93 mg/l              | Daphnia   | 48 hours |
|   | Acute LC50 4.2 mg/l               | Fish  | 96 hours |
| trizinc bis(orthophosphate)   | Acute LC50 0.14 mg/l              | Fish - Oncorhynchus mykiss  | 96 hours |
|   | Chronic NOEC 0.1 mg/l             | Micro-organism  | 4 hours  |
| decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate | Acute EC50 1.68 mg/l              | Algae   | 96 hours |
|   | Acute LC50 0.9 mg/l               | Fish  | 96 hours |
|   | Chronic NOEC 1 mg/l               | Daphnia   | 21 days  |

**Conclusion/Summary** 

: This material is toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

Conclusion/Summary : Not available.

| Product/ingredient name     | Aquatic half-life | Photolysis | Biodegradability |
|-----------------------------|-------------------|------------|------------------|
| <b>x</b> ylene              | -                 | -          | Readily          |
| ethylbenzene                | -                 | -          | Readily          |
| trizinc bis(orthophosphate) | -                 | -          | Not readily      |

#### 12.3 Bioaccumulative potential

| Product/ingredient name   | LogPow                  | BCF  | Potential                         |
|---|-------------------------|--|-----------------------------------|
| n-butyl acetate ethylbenzene trizinc bis(orthophosphate) hydrocarbons, C10-C13, n- alkanes, isoalkanes, cyclics, < 2% aromatics | 3.12<br>2.3<br>3.6<br>- | 8.1 to 25.9<br>-<br>-<br>60960<br>10 to 2500 | low<br>low<br>low<br>high<br>high |

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 13/17

## **SECTION 12: Ecological information**

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

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

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

## **SECTION 13: Disposal considerations**

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

#### 13.1 Waste treatment methods

#### **Product**

**Methods of disposal** 

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

#### **Hazardous waste**

: Yes.

#### Waste catalogue

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

| Type of packaging |           | Waste catalogue  |
|-------------------|-----------|--|
| 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   |
|---------|-----------------|---|--|
| UN1263  | UN1263          | UN1263  | UN1263   |
| Paint   | Paint           | Paint. Marine pollutant (trizinc bis (orthophosphate))      | Paint  |
| 3       | 3               | 3   | 3  |
| III     | III             | III   | III  |
|         | UN1263 Paint  3 | UN1263  Paint  Paint  3  3  4  4  4  4  4  4  4  4  4  4  4 | UN1263  Paint  Paint  Paint  Paint. Marine pollutant (trizinc bis (orthophosphate))  3  3  3 |

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 14/17

Hardtop Flexi Alu Comp A **SECTION 14: Transport information** 14.5 Yes. Yes. Yes. The environmentally **Environmental** hazardous substance hazards mark is not required.

#### **Additional information**

ADR/RID : The environmentally hazardous substance mark is not required when transported in

sizes of ≤5 L or ≤5 kg.

Hazard identification number 30

Special provisions 640E

Tunnel code (D/E)

**ADN** : The environmentally hazardous substance mark is not required when transported in

sizes of ≤5 L or ≤5 kg.

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

Emergency schedules F-E, S-E

**IATA** : The environmentally hazardous substance mark may appear if required by other

transportation regulations.

user

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

the event of an accident or spillage.

14.7 Transport in bulk

according to IMO instruments

: Not available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture **UK (GB)/REACH**

#### Annex XIV - List of substances subject to authorisation

#### **Annex XIV**

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### **Ozone depleting substances**

Not listed.

#### **Prior Informed Consent (PIC)**

Not listed.

#### **Persistent Organic Pollutants**

Not listed.

**Annex XVII - Restrictions** : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances. mixtures and articles

#### **Seveso Directive**

This product is controlled under the Seveso Directive.

#### **Danger criteria**

| Category  |  |
|-----------|--|
| P5c<br>E2 |  |

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version: 1.04 15/17

## SECTION 15: Regulatory information

#### **EU regulations**

Industrial emissions : Listed

(integrated pollution prevention and control) -

Air

Industrial emissions : Listed

(integrated pollution prevention and control) -

Water

**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      | On basis of test data |
| Skin Irrit. 2, H315     | Calculation method    |
| Eye Irrit. 2, H319      | Calculation method    |
| Skin Sens. 1, H317      | Calculation method    |
| Aquatic Chronic 2, H411 | Calculation method    |

Full text of abbreviated H statements

Date of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 16/17

## **SECTION 16: Other information**

| <b>⊬</b> 225 | 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.                                      |
| H315         | Causes skin irritation.  |
| H317         | May cause an allergic skin reaction.                               |
| H319         | Causes serious eye irritation.                                     |
| H332         | Harmful if inhaled.  |
| H335         | May cause respiratory irritation.                                  |
| H336         | May cause drowsiness or dizziness.                                 |
| H361f        | Suspected of damaging fertility.                                   |
| H373         | May cause damage to organs through prolonged or repeated exposure. |
| H400         | Very toxic to aquatic life.  |
| H410         | Very toxic to aquatic life with long lasting effects.              |
| H411         | Toxic to aquatic life with long lasting effects.                   |
| H412         | Harmful to aquatic life with long lasting effects.                 |
| EUH066       | Repeated exposure may cause skin dryness or cracking.              |

#### **Full text of classifications**

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

Date of printing : 05.04.2024 Date of issue/ Date of : 05.04.2024

revision

Date of previous issue : 21.04.2023 Version : 1.04

#### **Notice to reader**

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 : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.04 17/17