# SAFETY DATA SHEET



1/11

# Futura AS Comp A

| Section 1. Identification     |   |  |
|-------------------------------|---|--|
| Product name                  | : Futura AS Comp A  |  |
| Product code                  | : 446   |  |
| Product description           | : Paint.  |  |
| Product type                  | : Liquid.   |  |
| Other means of identification | : Not available.  |  |
| Supplier's details            | : EL MOHANDES JOTUN S.A.E.<br>INDUSTRIAL AREA - ISMAILIA<br>P.O. BOX NO. 203<br>ISMAILIA - EGYPT<br>FAX NO. : 002064481030<br>TELF NO: 002064481032<br>SDSJotun@jotun.com |  |
| Emergency telephone<br>number | : SHE Dept. Jotun AS, Norway<br>+47 33 45 70 00   |  |

# Section 2. Hazards identification

| Classification of the substance or mixture | : FLAMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (dermal) - Category 5<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract<br>irritation) - Category 3<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3  |
|--|--|
| GHS label elements                         |  |
| Hazard pictograms                          |  |
| Signal word                                |  |
| Signal word<br>Hazard statements           | <ul> <li>Warning.</li> <li>H226 - Flammable liquid and vapour.<br/>H313 - May be harmful in contact with skin.<br/>H319 - Causes serious eye irritation.<br/>H315 - Causes skin irritation.<br/>H335 - May cause respiratory irritation.<br/>H412 - Harmful to aquatic life with long lasting effects.</li> </ul>  |
| Precautionary statements                   |  |
| Prevention                                 | <ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P273 - Avoid release to the environment.</li> <li>P261 - Avoid breathing vapour.</li> <li>P264 - Wash hands thoroughly after handling.</li> </ul> |

| Date of issue/Date of revision         : 24.08.2020         Date of previous issue         : 24.08.2020 | Version : | 2.01 |
|---|-----------|------|
|---|-----------|------|

## Section 2. Hazards identification

| Response | : P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep   |
|----------|--|
|          | comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.   |
|          | P302 + P352 + P312 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and  |
|          | water. Call a POISON CENTER or physician if you feel unwell. Take off<br>contaminated clothing and wash it before reuse.   |
|          | P332 + P313 - If skin irritation occurs: Get medical attention.  |
|          | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical attention. |
| Storage  | : P405 - Store locked up.<br>P403 - Store in a well-ventilated place.<br>P235 - Keep cool.   |
| Disposal | <ul> <li>P501 - Dispose of contents and container in accordance with all local, regional,<br/>national and international regulations.</li> </ul>   |

Other hazards which do not : None known.

result in classification

### Section 3. Composition/information on ingredients

| Substance/mixture | 1 | Mixture        |
|-------------------|---|----------------|
| Other means of    | 1 | Not available. |
| identification    |   |                |

#### **CAS number/other identifiers**

...

| CAS number      | : Not applicable. |
|-----------------|-------------------|
| EC number       | : Mixture.        |
| Product code    | : 446             |
| Ingredient name |                   |

| Ingredient name            | %         | CAS number |
|----------------------------|-----------|------------|
| xylene                     | ≥10 - ≤25 | 1330-20-7  |
| n-butyl acetate            | ≤10       | 123-86-4   |
| ethylbenzene               | <10       | 100-41-4   |
| hydrocarbons, C9, aromatic | ≤3        | 64742-95-6 |

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 and hence require reporting in this section.

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

### Section 4. First aid measures

| Description of necessary f     | <u>irst aid measures</u>  |
|--------------------------------|---|
| Eye contact                    | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.   |
| Inhalation                     | : Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>If it is suspected that fumes are still present, the rescuer should wear an appropriate<br>mask or self-contained breathing apparatus. If not breathing, if breathing is irregular<br>or if respiratory arrest occurs, provide artificial respiration or oxygen by trained<br>personnel. It may be dangerous to the person providing aid to give mouth-to-mouth<br>resuscitation. Get medical attention. If necessary, call a poison center or physician.<br>If unconscious, place in recovery position and get medical attention immediately.<br>Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or<br>waistband. |
| Skin contact                   | : Flush contaminated skin with plenty of 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. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
| Date of issue/Date of revision | : 24.08.2020 Date of previous issue : 24.08.2020 Version : 2.01 2/11  |

### Section 4. First aid measures

| Section 4. First a          |  |
|-----------------------------|--|
| Ingestion                   | : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air<br>and keep at rest in a position comfortable for breathing. If material has been<br>swallowed and the exposed person is conscious, give small quantities of water to<br>drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not<br>induce vomiting unless directed to do so by medical personnel. If vomiting occurs,<br>the head should be kept low so that vomit does not enter the lungs. Get medical<br>attention if adverse health effects persist or are severe. Never give anything by<br>mouth to an unconscious person. If unconscious, place in recovery position and get<br>medical attention immediately. Maintain an open airway. Loosen tight clothing such<br>as a collar, tie, belt or waistband. |
| Most important symptoms/e   | effects, acute and delayed   |
| Potential acute health effe | <u>cts</u>   |
| Eye contact                 | : Causes serious eye irritation.   |
| Inhalation                  | : May cause respiratory irritation.  |
| Skin contact                | : May be harmful in contact with skin. Causes skin irritation.   |
| Ingestion                   | : No known significant effects or critical hazards.  |
| Over-exposure signs/sym     | <u>otoms</u>   |
| Eye contact                 | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness   |
| Inhalation                  | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing  |
| Skin contact                | : Adverse symptoms may include the following:<br>irritation<br>redness   |
| Ingestion                   | : No specific data.  |
| Indication of immediate me  | dical attention and special treatment needed, if necessary   |
| Notes to physician          | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul>  |
| Specific treatments         | : No specific treatment.   |
| 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.  |

See toxicological information (Section 11)

# Section 5. Firefighting measures

| Extinguishing media                        |  |
|--|--|
| Suitable extinguishing media               | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.   |
| Unsuitable extinguishing media             | : Do not use water jet.  |
| Specific hazards arising from the chemical | : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard.<br>In a fire or if heated, a pressure increase will occur and the container may burst, with<br>the risk of a subsequent explosion. This material is harmful to aquatic life with long<br>lasting effects. Fire water contaminated with this material must be contained and<br>prevented from being discharged to any waterway, sewer or drain. |

Date of issue/Date of revision

### Section 5. Firefighting measures

| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>sulfur oxides<br>metal oxide/oxides  |
|--|--|
| 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 | <ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained<br/>breathing apparatus (SCBA) with a full face-piece operated in positive pressure<br/>mode.</li> </ul>  |

### Section 6. Accidental release measures

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

| For non-emergency<br>personnel | :          | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Avoid breathing vapour or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>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".  |
| Environmental precautions      | :          | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air). Water polluting material. May be harmful<br>to the environment if released in large quantities.  |
| Methods and material for cor   | <u>nta</u> | inment 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.

### Section 7. Handling and storage

#### Precautions for safe handling

| Avo<br>rela<br>res<br>spa<br>alte<br>Sto<br>exp<br>Use | t on appropriate personal protective equipment (see Section 8). Do not ingest.<br>bid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid<br>ease to the environment. Use only with adequate ventilation. Wear appropriate<br>pirator when ventilation is inadequate. Do not enter storage areas and confined<br>aces unless adequately ventilated. Keep in the original container or an approved<br>ernative made from a compatible material, kept tightly closed when not in use.<br>ore and use away from heat, sparks, open flame or any other ignition source. Use<br>plosion-proof electrical (ventilating, lighting and material handling) equipment.<br>e only non-sparking tools. Take precautionary measures against electrostatic<br>charges. Empty containers retain product residue and can be hazardous. Do not |
|--|---|
|--|---|

# Section 7. Handling and storage

|  |   | reuse container.   |
|--|---|--|
| Advice on general<br>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.  |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing 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. |
|  |   |  |

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name                                |  | Exposure limits   |  |  |
|--|--|---|--|--|
| STEL: 65 <sup>-</sup><br>STEL: 150<br>TWA: 434 |  | ACGIH TLV (United States, 3/2018).<br>STEL: 651 mg/m <sup>3</sup> 15 minutes.<br>STEL: 150 ppm 15 minutes.<br>TWA: 434 mg/m <sup>3</sup> 8 hours.<br>TWA: 100 ppm 8 hours.  |  |  |
| n-butyl acetate                                |  | ACGIH TLV (United States, 3/2018).<br>STEL: 150 ppm 15 minutes.<br>TWA: 50 ppm 8 hours.   |  |  |
| ethylbenzene                                   |  | ACGIH TLV (United States, 3/2018). Notes:<br>K<br>TWA: 20 ppm 8 hours. Form:  |  |  |
| Appropriate engineering<br>controls            | ventilation or other enginee<br>contaminants below any re                            | ntilation. Use process enclosures, local exhaust<br>ering controls to keep worker exposure to airborne<br>commended or statutory limits. The engineering controls<br>our or dust concentrations below any lower explosive<br>f ventilation equipment.   |  |  |
| Environmental exposure<br>controls             | they comply with the requir<br>cases, fume scrubbers, filte                          | Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process<br>equipment will be necessary to reduce emissions to acceptable levels.   |  |  |
| Individual protection meas                     | <u>ures</u>  |   |  |  |
| Hygiene measures                               | eating, smoking and using<br>Appropriate techniques sho<br>Wash contaminated clothir | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and<br>safety showers are close to the workstation location. |  |  |
| Eye/face protection                            | indicates this is necessary<br>dusts. If contact is possible                         | Safety eyewear complying to EN 166 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                                |  |   |  |  |

# Section 8. Exposure controls/personal protection

|                        | <ul> <li>There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.</li> <li>The breakthrough time must be greater than the end use time of the product.</li> <li>The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.</li> <li>Gloves should be replaced regularly and if there is any sign of damage to the glove material.</li> <li>Always ensure that gloves are free from defects and that they are stored and used correctly.</li> <li>The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.</li> <li>Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.</li> </ul> |
|------------------------|---|
|                        | Wear suitable gloves tested to EN374.<br>May be used, gloves(breakthrough time) 4 - 8 hours: butyl rubber<br>Not recommended, gloves(breakthrough time) < 1 hour: PVC, Viton®, PE, neoprene<br>Recommended, gloves(breakthrough time) > 8 hours: fluor rubber, Teflon, 4H,<br>nitrile rubber, polyvinyl alcohol (PVA)   |
| Body protection        | : Personal protective equipment for the body should be selected based on the task<br>being performed and the risks involved and should be approved by a specialist<br>before handling this product. When there is a risk of ignition from static electricity,<br>wear anti-static protective clothing. For the greatest protection from static<br>discharges, clothing should include anti-static overalls, boots and gloves.   |
| Other skin protection  | <ul> <li>Appropriate footwear and any additional skin protection measures should be<br/>selected based on the task being performed and the risks involved and should be<br/>approved by a specialist before handling this product.</li> </ul>   |
| 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.   |

# Section 9. Physical and chemical properties

| <u>Appearance</u>                            |   |
|--|---|
| Physical state                               | : Liquid.   |
| Colour                                       | : Various colours.  |
| Odour  | : Characteristic.   |
| Odour threshold                              | : Not applicable.   |
| рН   | : Not applicable.   |
| Melting point                                | : Not applicable.   |
| Boiling point                                | <ul> <li>Lowest known value: 126°C (258.8°F) (n-butyl acetate). Weighted average:<br/>136.52°C (277.7°F)</li> </ul>                             |
| Flash point                                  | : Closed cup: 25°C (77°F)   |
| Evaporation rate                             | : Highest known value: 1 (n-butyl acetate) Weighted average: 0.83compared with<br>butyl acetate   |
| Flammability (solid, gas)                    | : Not applicable.   |
| Lower and upper explosive (flammable) limits | : 0.8 - 7.6%  |
| Vapour pressure                              | <ul> <li>Highest known value: 1.5 kPa (11.3 mm Hg) (at 20°C) (n-butyl acetate). Weighted<br/>average: 1.08 kPa (8.1 mm Hg) (at 20°C)</li> </ul> |
| Vapour density                               | : Highest known value: 4 (Air = 1) (n-butyl acetate). Weighted average: 3.76 (Air = 1)  |
| Density                                      | : 1.125 to 1.237 g/cm <sup>3</sup>  |
| Solubility                                   | : Insoluble in the following materials: cold water and hot water.   |
| Partition coefficient: n-<br>octanol/water   | : Not available.  |
| Date of issue/Date of revision               | : 24.08.2020 Date of previous issue : 24.08.2020 Version : 2.01 6/11  |

## Section 9. Physical and chemical properties

| Section 10 Stability and reactivity |   |  |
|-------------------------------------|---|--|
| Viscosity                           | : Kinematic (40°C): >0.205 cm²/s (>20.5 mm²/s)                                  |  |
| Decomposition temperature           | : Not available.  |  |
| Auto-ignition temperature           | : Lowest known value: 280 to 470°C (536 to 878°F) (hydrocarbons, C9, aromatic). |  |

### Section 10. Stability and reactivity

| Reactivity                            | : No specific test data related to reactivity available for this product or its ingredients.   |    |
|---------------------------------------|--|----|
| Chemical stability                    | : The product is stable.   |    |
| Possibility of hazardous<br>reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.  |    |
| Conditions to avoid                   | : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld braze, solder, drill, grind or expose containers to heat or sources of ignition. | I, |
| Incompatible materials                | <ul> <li>Reactive or incompatible with the following materials:<br/>oxidizing materials</li> </ul>   |    |
| Hazardous decomposition products      | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |    |

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                 | Species    | Dose         | Exposure |
|-------------------------|------------------------|------------|--------------|----------|
| xylene                  | LC50 Inhalation Vapour | Rat        | 20 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 | 17.8 mg/l    | 4 hours  |
| ,                       | LD50 Dermal            | Rabbit     | >5000 mg/kg  | -        |
|                         | LD50 Oral              | Rat        | 3500 mg/kg   | -        |

#### Irritation/Corrosion

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

#### **Sensitisation**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

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

# Section 11. Toxicological information

| Name  | Category   | Route of exposure  | Target organs  |
|---|--|--|--|
| xylene<br>n-butyl acetate<br>hydrocarbons, C9, aromatic | Category 3<br>Category 3<br>Category 3<br>Category 3 | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable. | Respiratory tract<br>irritation<br>Narcotic effects<br>Narcotic effects<br>Respiratory tract<br>irritation |

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

| Name         |            | Route of<br>exposure | Target organs  |
|--------------|------------|----------------------|----------------|
| ethylbenzene | Category 2 | Not determined       | hearing organs |

#### **Aspiration hazard**

| Name         | Result   |
|--------------|--|
| ethylbenzene | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

#### Information on likely routes : Not available. of exposure

| Potential acute health effects |   |  |
|--------------------------------|---|--|
| Eye contact                    | : | Causes serious eye irritation.                               |
| Inhalation                     | : | May cause respiratory irritation.                            |
| Skin contact                   | : | May be harmful in contact with skin. Causes skin irritation. |
| 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:<br>pain or irritation<br>watering<br>redness                    |
|--------------|---|
| Inhalation   | <ul> <li>Adverse symptoms may include the following:<br/>respiratory tract irritation<br/>coughing</li> </ul> |
| Skin contact | : Adverse symptoms may include the following:<br>irritation<br>redness  |
| Ingestion    | : No specific data.   |

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

| <u>Short term exposure</u>   |   |
|------------------------------|---|
| Potential immediate effects  | : Not available.                                    |
| Potential delayed effects    | : Not available.                                    |
| Long term exposure           |   |
| Potential immediate effects  | : Not available.                                    |
| Potential delayed effects    | : Not available.                                    |
| Potential chronic health eff | <u>ects</u>   |
| Not available.               |   |
| General                      | : No known significant effects or critical hazards. |
|                              |   |

# Section 11. Toxicological information

| Carcinogenicity              | : No known significant effects or critical hazards. |
|------------------------------|---|
| Mutagenicity                 | : No known significant effects or critical hazards. |
| Teratogenicity               | : No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : No known significant effects or critical hazards. |
| Fertility effects            | : No known significant effects or critical hazards. |

#### Numerical measures of toxicity

Acute toxicity estimates

| Route                | ATE value     |
|----------------------|---------------|
| Dermal               | 4893.54 mg/kg |
| Inhalation (vapours) | 64.72 mg/l    |

# Section 12. Ecological information

| -  |   | <br> |
|----|---|------|
| 10 | Y | ITV/ |
|    |   | LY   |
|    |   |      |

| Product/ingredient name    | Result               | Species | Exposure |
|----------------------------|----------------------|---------|----------|
| ethylbenzene               | Acute EC50 7.2 mg/l  | Algae   | 48 hours |
|                            | Acute EC50 2.93 mg/l | Daphnia | 48 hours |
|                            | Acute LC50 4.2 mg/l  | Fish    | 96 hours |
| hydrocarbons, C9, aromatic | Acute EC50 <10 mg/l  | Daphnia | 48 hours |
|                            | Acute IC50 <10 mg/l  | Algae   | 72 hours |
|                            | Acute LC50 <10 mg/l  | Fish    | 96 hours |

#### Persistence and degradability

| Product/ingredient name    | Aquatic half-life | Photolysis | Biodegradability |
|----------------------------|-------------------|------------|------------------|
| xylene                     | -                 | -          | Readily          |
| ethylbenzene               | -                 | -          | Readily          |
| hydrocarbons, C9, aromatic | -                 | -          | Not readily      |

#### **Bioaccumulative potential**

| Product/ingredient name    | LogPow | BCF         | Potential |
|----------------------------|--------|-------------|-----------|
| xylene                     | 3.12   | 8.1 to 25.9 | low       |
| n-butyl acetate            | 2.3    | -           | low       |
| ethylbenzene               | 3.6    | -           | low       |
| hydrocarbons, C9, aromatic | -      | 10 to 2500  | high      |

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

| Disposal methods | : The generation of waste should be avoided or minimised wherever possible.<br>Disposal of this product, solutions and any by-products should at all times comply<br>with the requirements of environmental protection and waste disposal legislation<br>and any regional local authority requirements. Dispose of surplus and non-<br>recyclable products via a licensed waste disposal contractor. Waste should not be<br>disposed of untreated to the sewer unless fully compliant with the requirements of<br>all authorities with jurisdiction. Waste packaging should be recycled. Incineration or<br>landfill should only be considered when recycling is not feasible. This material and |
|------------------|--|
|------------------|--|

# Section 13. Disposal considerations

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

### Section 14. Transport information

|                               | ADR/RID | IMDG                                   | IATA   |
|-------------------------------|---------|--|--|
| UN number                     | UN1263  | UN1263                                 | UN1263   |
| UN proper<br>shipping name    | Paint   | Paint                                  | Paint  |
| Transport hazard<br>class(es) | 3       | 3                                      | 3  |
| Packing group                 | III     | 111                                    |  |
| Environmental<br>hazards      | No.     | No.                                    | No.  |
| Additional<br>information     | -       | Emergency schedules F-E,<br><u>S-E</u> | The environmentally<br>hazardous substance mark<br>may appear if required by<br>other transportation<br>regulations. |

| Additional information  |     |   |
|---|-----|---|
| ADR/RID   | :   | ADR/RID: Viscous substance. Not restricted, ref. chapter 2.2.3.1.5 (applicable to receptacles < 450 litre capacity).  |
|   |     | Hazard identification number 30<br>Tunnel code (D/E)  |
| IMDG  | :   | IMDG: Viscous substance. Transport in accordance with paragraph 2.3.2.5 (applicable to receptacles < 450 litre capacity).   |
|   |     | Emergency schedules F-E, <u>S-E</u>   |
| ΙΑΤΑ  | :   | The environmentally hazardous substance mark may appear if required by other transportation regulations.  |
| Special precautions for user  | :   | <b>Transport within user's premises:</b> 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. |
| Transport in bulk according<br>to Annex II of Marpol and<br>the IBC Code    | :   | Not available.  |
| Section 15. Regula  | ate | ory information   |
| Safety, health and<br>environmental regulations<br>specific for the product | :   | No known specific national and/or regional regulations applicable to this product (including its ingredients).  |

#### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

Date of issue/Date of revision

### Section 15. Regulatory information

Montreal Protocol (Annexes A, B, C, E)

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.

### Section 16. Other information

#### **History**

| Date of printing               | : 24.08.2020   |
|--------------------------------|--|
| Date of issue/Date of revision | : 24.08.2020   |
| Date of previous issue         | : 24.08.2020   |
| Version                        | : 2.01   |
| Key to abbreviations           | <ul> <li>ATE = Acute Toxicity Estimate<br/>BCF = Bioconcentration Factor<br/>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br/>IATA = International Air Transport Association<br/>IBC = Internediate Bulk Container<br/>IMDG = International Maritime Dangerous Goods<br/>LogPow = logarithm of the octanol/water partition coefficient<br/>MARPOL = International Convention for the Prevention of Pollution From Ships,<br/>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br/>UN = United Nations</li> </ul> |
| References                     | • Not available  |

#### References : Not available.

✓ Indicates information that has changed from previously issued version.

#### 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.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.