### Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013

**JOTUN** 

Jotun Protects Property

# SAFETY DATA SHEET



| Product name                | : Jotapipe RC 490 Comp A (L002)   |
|-----------------------------|---|
| SDS Code                    | : L002  |
| Product code                | : 16410   |
| Product type                | : Paste.  |
| Product description         | : Paint.  |
| Relevant identified uses    | of the substance or mixture and uses advised against  |
|                             | Identified uses   |
| Use in coatings - Industria | l use   |
| Supplier's details          | <ul> <li>: 佐敦涂料(张家港)有限公司<br/>中国江苏扬子江国际化学工业园南海路39号 215634<br/>电话: +86 512 58937988<br/>传真: +86 512 58937986</li> <li>Jotun Coatings (Zhangjiagang) Co. Ltd<br/>NO.39 Nanhai Road Jiangsu Yangtze River International Chemical Industry Park,<br/>Jiangsu Province 215634 China<br/>Tel: +86 512 58937988<br/>Fax: +86 512 58937988</li> <li>Fax: +86 512 58937986</li> <li>中远佐敦船舶涂料(青岛)有限公司<br/>中国山东省青岛市高新区春阳路800号<br/>总机电话: +86-532-68689888<br/>总机传真: +86-532-66726750</li> <li>Jotun COSCO Marine Coatings (Qingdao) Co. Ltd.<br/>No. 800, Chunyang Road, High-tech Zone, Qingdao, P. R. China<br/>Tel: +86-532-66726750</li> <li>SDSJotun@jotun.com</li> </ul> |
| Emergency telephone         | : Emergency Services for Chemical Incident of China. Tel: +86 532 83889090  |

# Section 2. Hazards identification

| Classification of the substance or mixture | : SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A<br>SKIN SENSITISATION - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
|--|---|
| GHS label elements                         |   |
| Hazard pictograms                          |   |
| Signal word                                | : Warning.  |
|  |   |

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| Hazard statements        | <ul> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H319 - Causes serious eye irritation.</li> <li>H411 - Toxic to aquatic life with long lasting effects.</li> </ul>   |
|--------------------------|---|
| Precautionary statements | 5   |
| Prevention               | <ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P273 - Avoid release to the environment.</li> <li>P261 - Avoid breathing vapour.</li> </ul>   |
| Response                 | <ul> <li>P391 - Collect spillage.</li> <li>P362 + P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical advice or attention.</li> </ul> |
| Storage                  | : Not applicable.   |
| Disposal                 | <ul> <li>P501 - Dispose of contents and container in accordance with all local, regional,<br/>national and international regulations.</li> </ul>  |

# Section 3. Composition/information on ingredients

|  | -                 | -                |                        |
|--|-------------------|------------------|------------------------|
| Substance/mixture                                  | : Mixture         |                  |                        |
| Other means of identification                      | : Not available.  |                  |                        |
| CAS number/other ident                             | <u>ifiers</u>     |                  |                        |
| CAS number   | : Not applicable. |                  |                        |
| EC number  | : Mixture.        |                  |                        |
| Product code                                       | : 16410           |                  |                        |
| Ingredient name                                    |                   | %                | CAS number             |
| epoxy resin (MW ≤ 700)<br>epoxy-formaldehyde resir | n (MW<700)        | ≥60 - ≤80<br>≤60 | 1675-54-3<br>9003-36-5 |

≤30

933999-84-9

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

1,6-Hexanediol, reaction products with epichlorohydrin

| Description of necessary first aid measures |  |  |  |
|---|--|--|--|
| Eye contact                                 | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.  |  |  |
| Inhalation                                  | : Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>If not breathing, if breathing is irregular or if respiratory arrest occurs, provide<br>artificial respiration or oxygen by trained personnel. It may be dangerous to the<br>person providing aid to give mouth-to-mouth resuscitation. Get medical attention if<br>adverse health effects persist or are severe. If unconscious, place in recovery<br>position and get medical attention immediately. Maintain an open airway. Loosen<br>tight clothing such as a collar, tie, belt or waistband. |  |  |
| Skin contact                                | : Wash with plenty of soap and water. Remove contaminated clothing and shoes.<br>Wash contaminated clothing thoroughly with water before removing it, or wear<br>gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the<br>event of any complaints or symptoms, avoid further exposure. Wash clothing<br>before reuse. Clean shoes thoroughly before reuse.  |  |  |

### Section 4. First aid measures

| 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. |
|-------------------------------|--|
| Most important symptoms/e     | ffects, acute and delayed  |
| Potential acute health effect | ets de la constante de la const  |
| 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.  |
| Over-exposure signs/symp      | <u>toms</u>  |
| Eye contact                   | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness   |
| Inhalation                    | : No specific data.  |
| Skin contact                  | : Adverse symptoms may include the following:<br>irritation<br>redness   |
| Ingestion                     | : No specific data.  |
| •                             | lical 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. 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 an extinguishing agent suitable for the surrounding fire.  |
| Unsuitable extinguishing media                 | : None known.  |
| Specific hazards arising from the chemical     | In a fire or if heated, a pressure increase will occur and the container may burst.<br>This material is toxic to aquatic life with long lasting effects. Fire water<br>contaminated with this material must be contained and prevented from being<br>discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products       | <ul> <li>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide<br/>halogenated compounds</li> </ul>   |
| Special protective actions for fire-fighters   | <ul> <li>Promptly isolate the scene by removing all persons from the vicinity of the incident if<br/>there is a fire. No action shall be taken involving any personal risk or without<br/>suitable training.</li> </ul>  |
| 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.  |

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### 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. Avoid breathing vapour or<br>mist. 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. Collect spillage.   |  |
| Methods and material for con  | ntai | inment and cleaning up  |  |
| Small spill   | :    | Stop leak if without risk. Move containers from spill area. Dilute with water and mop<br>up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry<br>material and place in an appropriate waste disposal container. Dispose of via a<br>licensed waste disposal contractor.  |  |
| Large spill   | :    | Stop leak if without risk. Move containers from spill area. 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

| 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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.   |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. 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. 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** 

None.

# Section 8. Exposure controls/personal protection

| Recommended monitoring procedures | -         | If this product contains ingredients with exposure limits, personal, workplace<br>atmosphere or biological monitoring may be required to determine the effectiveness<br>of the ventilation or other control measures and/or the necessity to use respiratory<br>protective equipment. Reference should be made to appropriate monitoring<br>standards. Reference to national guidance documents for methods for the<br>determination of hazardous substances will also be required.  |
|-----------------------------------|-----------|--|
| Appropriate engineering controls  | :         | Good general ventilation should be sufficient to control worker exposure to airborne contaminants.   |
| Environmental exposure controls   | :         | 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 measure     | <u>es</u> |  |
| Hygiene measures                  | :         | 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>Contaminated work clothing should not be allowed out of the workplace. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.  |
| Eye protection                    | :         | 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                   |           |  |
| Hand protection                   | -         | Chemical-resistant, impervious gloves complying with an approved standard should<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary. Considering the parameters specified by the glove manufacturer,<br>check during use that the gloves are still retaining their protective properties. It<br>should be noted that the time to breakthrough for any glove material may be<br>different for different glove manufacturers. In the case of mixtures, consisting of<br>several substances, the protection time of the gloves cannot be accurately<br>estimated.  |
|                                   |           | There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.<br>The breakthrough time must be greater than the end use time of the product.<br>The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.<br>Gloves should be replaced regularly and if there is any sign of damage to the glove material.<br>Always ensure that gloves are free from defects and that they are stored and used correctly.<br>The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.<br>Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.<br>Wear suitable gloves tested to EN374.<br>Recommended, gloves(breakthrough time) > 8 hours: nitrile rubber, neoprene, butyl rubber, fluor rubber, Viton®, PE |
| 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.  |
| Other skin protection             | :         | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Respiratory protection            | :         | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.   |

# Section 9. Physical and chemical properties

| -  |   |  |
|--|---|--|
| <u>Appearance</u>                            |   |  |
| Physical state                               | 1 | Paste.   |
| Colour                                       | 1 | Various  |
| Odour  | 1 | Characteristic.  |
| Odour threshold                              | 1 | Not available.   |
| рН   | 1 | Not applicable.  |
| Melting point                                | 1 | Not applicable.  |
| Boiling point                                | 1 | Lowest known value: >260°C (>500°F)(epoxy resin (MW ≤ 700)).   |
| Flash point                                  | 1 | Closed cup: >93.3°C (>199.9°F)   |
| Burning time                                 | 1 | Not applicable.  |
| Burning rate                                 | 1 | Not applicable.  |
| Evaporation rate                             | 1 | Not available.   |
| Flammability (solid, gas)                    | 1 | Not applicable.  |
| Lower and upper explosive (flammable) limits | 1 | 30%  |
| Vapour pressure                              | 1 | Highest known value: 0.08 kPa (0.6 mm Hg) (at 20°C) (epoxy-formaldehyde resin<br>(MW<700)).  Weighted average: 0.03 kPa (0.23 mm Hg) (at 20°C) |
| Vapour density                               | 1 | Highest known value: 11.7 (Air = 1) (epoxy resin (MW ≤ 700)).  |
| Relative density                             | 1 | 1.2 g/cm <sup>3</sup>  |
| Solubility                                   | 1 | Insoluble in the following materials: cold water and hot water.  |
| Partition coefficient: n-<br>octanol/water   | ; | Not available.   |
| Auto-ignition temperature                    | 1 | Not applicable.  |
| Decomposition temperature                    | : | >250°C (>482°F)  |
| SADT   | : | Not available.   |
| Viscosity                                    | : | Kinematic (40°C): >20.5 mm²/s (>20.5 cSt)  |
|  |   |  |

# 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                   | : No specific data.  |
| Incompatible materials                | : Not applicable.  |
| Hazardous decomposition products      | <ul> <li>Under normal conditions of storage and use, hazardous decomposition products<br/>should not be produced.</li> </ul> |
| Fine dust slouds may form av          | losivo mixturos with air   |

Fine dust clouds may form explosive mixtures with air.

## Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose        | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| epoxy resin (MW ≤ 700)  | LD50 Dermal | Rabbit  | 20 g/kg     | -        |
|                         | LD50 Oral   | Mouse   | 15600 mg/kg | -        |

Irritation/Corrosion

# Section 11. Toxicological information

| Product/ingredient name                                | Result                 | Species                            | Score | Exposure                 | Observation |
|--|------------------------|------------------------------------|-------|--------------------------|-------------|
| epoxy resin (MW ≤ 700)                                 | Eyes - Severe irritant | Rabbit                             | -     | 24 hours 2<br>milligrams | -           |
|  | Skin - Mild irritant   | Rabbit                             | -     | 500<br>milligrams        | -           |
| epoxy-formaldehyde resin<br>(MW<700)                   | Skin - Mild irritant   | Mammal -<br>species<br>unspecified | -     | -                        | -           |
| 1,6-Hexanediol, reaction products with epichlorohydrin | Skin - Mild irritant   | Mammal -<br>species<br>unspecified | -     | -                        | -           |
|  | Eyes - Mild irritant   | Mammal -<br>species<br>unspecified | -     | -                        | -           |

#### **Sensitisation**

| Product/ingredient name                                | Route of exposure | Species                         | Result      |  |
|--|-------------------|---------------------------------|-------------|--|
| epoxy resin (MW ≤ 700)                                 | skin              | Mammal - species<br>unspecified | Sensitising |  |
| epoxy-formaldehyde resin<br>(MW<700)                   | skin              | Mammal - species<br>unspecified | Sensitising |  |
| 1,6-Hexanediol, reaction products with epichlorohydrin | skin              | Mammal - species<br>unspecified | Sensitising |  |

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

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

Not available.

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

Not available.

#### Aspiration hazard

Not available.

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

of exposure

#### 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 | o the p | hysical, | <b>chemical</b> | and | toxicological | characteristics |
|---------------------|---------|----------|-----------------|-----|---------------|-----------------|
|                     |         |          |                 |     |               |                 |

| Eye contact | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|-------------|--|
| Inhalation  | : No specific data.  |

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# Section 11. Toxicological information

| Skin contact                   | : Adverse symptoms may include the following:<br>irritation<br>redness                                |
|--------------------------------|---|
| Ingestion                      | : No specific data.   |
| Delayed and immediate effe     | ts as well as chronic effects from short and long-term exposure                                       |
| Short term exposure            |   |
| Potential immediate<br>effects | : Not available.  |
| Potential delayed effects      | : Not available.  |
| <u>Long term exposure</u>      |   |
| Potential immediate<br>effects | : Not available.  |
| Potential delayed effects      | : Not available.  |
| Potential chronic health eff   | ects  |
| Not available.                 |   |
| General                        | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity                | : No known significant effects or critical hazards.   |
| Mutagenicity                   | : No known significant effects or critical hazards.   |
| 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

Not available.

# Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name  | Result                | Species                    | Exposure |
|--------------------------|-----------------------|----------------------------|----------|
| epoxy resin (MW ≤ 700)   | Acute EC50 1.4 mg/l   | Daphnia                    | 48 hours |
|                          | Acute LC50 3.1 mg/l   | Fish - pimephales promelas | 96 hours |
|                          | Chronic NOEC 0.3 mg/l | Fish                       | 21 days  |
| epoxy-formaldehyde resin | Acute EC50 2 mg/l     | Daphnia                    | 24 hours |
| (MW<700)                 | Acute LC50 2 mg/l     | Fish                       | 96 hours |

#### Persistence/degradability

| Product/ingredient name  | Aquatic half-life | Photolysis | Biodegradability           |
|--|-------------------|------------|----------------------------|
| epoxy resin (MW ≤ 700)<br>epoxy-formaldehyde resin<br>(MW<700) | -                 | -          | Not readily<br>Not readily |

#### **Bioaccumulative potential**

| Product/ingredient name  | LogPow              | BCF     | Potential  |
|--|---------------------|---------|------------|
| epoxy resin (MW ≤ 700)<br>epoxy-formaldehyde resin<br>(MW<700) | 2.64 to 3.78<br>2.7 | 31<br>- | low<br>low |

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### Section 12. Ecological information

| Mobility in soil<br>Soil/water partition<br>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<br>its container must be disposed of in a safe way. Care should be taken when<br>handling emptied containers that have not been cleaned or rinsed out. Empty<br>containers or liners may retain some product residues. Avoid dispersal of spilt |
|------------------|--|
|                  | material and runoff and contact with soil, waterways, drains and sewers.   |

### Section 14. Transport information

**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.

|                                    | UN  | IMDG  | ΙΑΤΑ  |
|------------------------------------|---|---|---|
| UN number                          | UN3082  | UN3082  | UN3082  |
| UN proper<br>shipping name         | Environmentally hazardous<br>substance, liquid, n.o.s.<br>(epoxy resin (MW ≤ 700))  | Environmentally hazardous<br>substance, liquid, n.o.s.<br>(epoxy resin (MW ≤ 700)).<br>Marine pollutant (epoxy resin<br>(MW ≤ 700), epoxy-<br>formaldehyde resin (MW<700))  | Environmentally hazardous<br>substance, liquid, n.o.s.<br>(epoxy resin (MW ≤ 700))  |
| Transport hazard<br>class(es)      | 9   | 9   | 9   |
| Packing group                      | Ш   | Ш   | III   |
| Environmental<br>hazards           | Yes.  | Yes.  | Yes.  |
| Special<br>precautions for<br>user | Transport within user's<br>premises: always transport in<br>closed containers that are<br>upright and secure. Ensure<br>that persons transporting the<br>product know what to do in the<br>event of an accident or<br>spillage. | Transport within user's<br>premises: always transport in<br>closed containers that are<br>upright and secure. Ensure<br>that persons transporting the<br>product know what to do in the<br>event of an accident or<br>spillage. | Transport within user's<br>premises: always transport in<br>closed containers that are<br>upright and secure. Ensure<br>that persons transporting the<br>product know what to do in the<br>event of an accident or<br>spillage. |
|                                    |   |   |   |
| Date of issue                      | : 08.02.2022  |   |   |

### Section 14. Transport information

|                           | · · · • • • • •                                       |  |   |  |
|---------------------------|---|--|---|--|
| Additional<br>information | as a da<br>transpo<br>≤5 kg, p<br>packagi<br>provisio | duct is not regulated<br>ngerous good when<br>rted in sizes of ≤5 L or<br>rovided the<br>ngs meet the general<br>ns of 4.1.1.1, 4.1.1.2<br>1.4 to 4.1.1.8. | This product is not regulated<br>as a dangerous good when<br>transported in sizes of ≤5 L or<br>≤5 kg, provided the<br>packagings meet the general<br>provisions of 4.1.1.1, 4.1.1.2<br>and 4.1.1.4 to 4.1.1.8.<br><u>Emergency schedules</u> F-A,<br>S-F | This product is not regulated<br>as a dangerous good when<br>transported in sizes of ≤5 L or<br>≤5 kg, provided the<br>packagings meet the general<br>provisions of 5.0.2.4.1,<br>5.0.2.6.1.1 and 5.0.2.8. |
| Marking                   |   | The environmental hazardous / marine pollutant mark is only applicable for packages containing more than 5 litres for liquids and 5 kg for solids.         |   |  |
| ADR / RID                 |   | Tunnel restriction code: (-)<br>Hazard identification number: 90   |   |  |

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### Section 15. Regulatory information

Safety, health and environmental regulations specific for the product:

#### Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

Regulations on the Control over Safety of Dangerous Chemicals Measures for Environmental Management of New Chemical Substances Law of the People's Republic of China on the Prevention and Control of Environment Pollution Caused by Solid Wastes Safety regulations for the use of chemicals in the workplace General Rule for Classification and Hazard Communication of Chemicals Classification and code of dangerous goods

#### List of Goods banned for Importing

None of the components are listed.

#### List of Goods banned for Exporting

None of the components are listed.

#### List of Toxic Chemicals Severely Restricted for Importing & Exporting by China

None of the components are listed.

### Section 16. Other information

| <u>History</u>       |   |
|----------------------|---|
| Date of printing     | : 08.02.2022  |
| Key to abbreviations | <ul> <li>ADN = European Provisions concerning the International Carriage of Dangerous<br/>Goods by Inland Waterway<br/>ADR = The European Agreement concerning the International Carriage of<br/>Dangerous Goods by Road<br/>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/>RID = The Regulations concerning the International Carriage of Dangerous Goods<br/>by Rail<br/>UN = United Nations</li> </ul> |
| Matter to used on    |   |

#### Notice to reader

### Section 16. Other information

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

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.