


## Jotatemp 540 Zinc Comp B

### Section 1. Identification

|   |  |
|---|--|
| <b>GHS product identifier</b>                               | : Jotatemp 540 Zinc Comp B   |
| <b>Product code</b>   | : 36843  |
| <b>Product description</b>                                  | : Hardener.  |
| <b>Other means of identification</b>                        | : Not available.   |
| <b>Product type</b>   | : Solid.   |
| <b>Supplier's details</b>                                   | : Jotun Paints, Inc.<br>9203 Highway 23<br>Belle Chasse, LA 70037<br>Telephone: (800) 229-3538 or<br>+1 504-394-3538<br>SDSJotun@jotun.com |
| <b>Emergency telephone number (with hours of operation)</b> | : 1-800-424-9300<br>(Staffed 24/7)   |

### Section 2. Hazards identification

|   |   |
|---|---|
| <b>OSHA/HCS status</b>                            | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).               |
| <b>Classification of the substance or mixture</b> | : AQUATIC HAZARD (ACUTE) - Category 1<br>AQUATIC HAZARD (LONG-TERM) - Category 1                                    |
| <b>GHS label elements</b>                         |   |
| <b>Hazard pictograms</b>                          | :                                |
| <b>Signal word</b>                                | : Warning.  |
| <b>Hazard statements</b>                          | : Very toxic to aquatic life with long lasting effects.   |
| <b>Precautionary statements</b>                   |   |
| <b>Prevention</b>                                 | : Avoid release to the environment.   |
| <b>Response</b>                                   | : Collect spillage.   |
| <b>Storage</b>                                    | : Not applicable.   |
| <b>Disposal</b>                                   | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| <b>Hazards not otherwise classified</b>           | : None known.   |

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.  
**Product code** : 36843

| Ingredient name | %         | CAS number |
|-----------------|-----------|------------|
| zinc            | $\geq 90$ | 7440-66-6  |
| zinc oxide      | $\leq 5$  | 1314-13-2  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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 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 if irritation occurs.
- 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

## Section 4. First aid measures

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- 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.

See toxicological information (Section 11)

## Section 5. Fire-fighting 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** : This material is very 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 thermal decomposition products** : Decomposition products may include the following materials:  
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.

**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

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized 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 spilled 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.

### Methods and materials for containment and cleaning up

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. 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). Do not ingest. Avoid contact with eyes, skin and clothing. 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, including any 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

|            |   |
|------------|---|
| zinc       | None  |
| zinc oxide | <b>NIOSH REL (United States, 10/2013).</b><br>CEIL: 15 mg/m <sup>3</sup> Form: Dust<br>TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Dust and fumes<br>STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Fume<br><b>OSHA PEL (United States, 2/2013).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Fume<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>OSHA PEL 1989 (United States, 3/1989).</b><br>STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Fume<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Fume<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>ACGIH TLV (United States, 3/2016).</b><br>STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Respirable fraction<br>TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction |

**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 they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

#### Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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.

Wear suitable gloves tested to EN374.

Recommended, gloves(breakthrough time) > 8 hours: nitrile rubber

#### 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

### Appearance

#### Physical state

: Solid.

#### Color

: Gray.

#### Odor

: Characteristic.

#### Odor threshold

: Not available.

#### pH

: Not available.

#### Melting point

: Not available.

#### Boiling point

: Not available.

#### Flash point

: Not applicable.

#### Evaporation rate

: Not available.

#### Flammability (solid, gas)

: Not available.

#### Lower and upper explosive (flammable) limits

: Not available.

#### Vapor pressure

: Not available.

#### Vapor density

: Not available.

## **Section 9. Physical and chemical properties**

|   |                           |                     |
|---|---------------------------|---------------------|
| <b>Relative density</b>                       | : 7.104 g/cm <sup>3</sup> | 59.28 pounds/gallon |
| <b>Solubility</b>                             | : Not available.          |                     |
| <b>Partition coefficient: n-octanol/water</b> | : Not available.          |                     |
| <b>Auto-ignition temperature</b>              | : Not available.          |                     |
| <b>Decomposition temperature</b>              | : Not available.          |                     |
| <b>Viscosity</b>                              | : Not available.          |                     |
| <b>Aerosol product</b>                        |                           |                     |

## **Section 10. Stability and reactivity**

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : No specific data.  |
| <b>Incompatible materials</b>             | : No specific data.  |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## **Section 11. Toxicological information**

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

| Product/ingredient name | Result               | Species | Score | Exposure                             | Observation |
|-------------------------|----------------------|---------|-------|--------------------------------------|-------------|
| zinc                    | Skin - Mild irritant | Human   | -     | 72 hours 300 Micrograms Intermittent | -           |
| zinc oxide              | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams              | -           |
|                         | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams              | -           |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

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

Not available.

## Section 11. Toxicological information

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**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 effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : 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**

| <b>Product/ingredient name</b> | <b>Result</b>                    | <b>Species</b>             | <b>Exposure</b> |
|--------------------------------|----------------------------------|----------------------------|-----------------|
| zinc                           | Acute LC50 330 µg/l Fresh water  | Daphnia - Daphnia magna    | 48 hours        |
|                                | Acute LC50 0.78 mg/l Fresh water | Fish                       | 96 hours        |
| zinc oxide                     | Acute LC50 1.1 ppm Fresh water   | Fish - Oncorhynchus mykiss | 96 hours        |

**Persistence and degradability**

| <b>Product/ingredient name</b> | <b>Aquatic half-life</b> | <b>Photolysis</b> | <b>Biodegradability</b> |
|--------------------------------|--------------------------|-------------------|-------------------------|
| zinc                           | -                        | -                 | Not readily             |
| zinc oxide                     | -                        | -                 | Not readily             |

**Bioaccumulative potential**

| <b>Product/ingredient name</b> | <b>LogP<sub>ow</sub></b> | <b>BCF</b> | <b>Potential</b> |
|--------------------------------|--------------------------|------------|------------------|
| zinc oxide                     | -                        | 60960      | high             |

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

**Section 13. Disposal considerations**

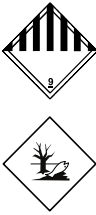
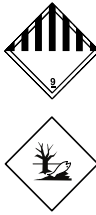
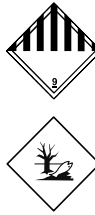
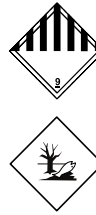
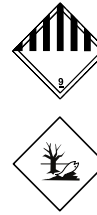
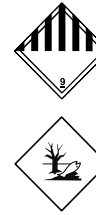
**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Section 14. Transport information**

|                                | <b>DOT Classification</b>                                    | <b>TDG Classification</b>   | <b>Mexico Classification</b>  | <b>ADR/RID</b>  | <b>IMDG</b>   | <b>IATA</b>   |
|--------------------------------|--|---|---|---|---|---|
| <b>UN number</b>               | 3077   | 3077  | 3077  | 3077  | 3077  | 3077  |
| <b>UN proper shipping name</b> | Environmentally hazardous substance, solid, n.o.s. (cadmium) | Environmentally hazardous substance, solid, n.o.s. (zinc, zinc oxide) | Environmentally hazardous substance, solid, n.o.s. (zinc, zinc oxide) | Environmentally hazardous substance, solid, n.o.s. (zinc, zinc oxide) | Environmentally hazardous substance, solid, n.o.s. (zinc, zinc oxide) | Environmentally hazardous substance, solid, n.o.s. (zinc, zinc oxide) |
|                                |  |   |   |   |   |   |



## Section 14. Transport information

|                            |  |  |  |   |  |  |
|----------------------------|--|--|--|---|--|--|
| Transport hazard class(es) | 9<br> | 9<br> | 9<br> | 9<br> | 9<br> | 9<br> |
| Packing group              | III  | III  | III  | III   | III  | III  |
| Environmental hazards      | Yes.   | Yes.   | Yes.   | Yes.  | Yes.   | Yes.   |

### Additional information

#### DOT Classification

: Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg.

#### Reportable quantity

1052.6 lbs / 477.89 kg

Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

#### TDG Classification

: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark).

Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.

#### Mexico Classification

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

#### ADR/RID

: Tunnel restriction code: (E)  
Hazard identification number: 90

#### IMDG

: Emergency schedules (EmS): F-A, S-F  
Marine pollutant: Yes.

#### IATA

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

#### Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### Transport in bulk according to Annex II of MARPOL and the IBC Code

: Not available.

## Section 15. Regulatory information

#### U.S. Federal regulations

: **TSCA 6 proposed risk management:** lead  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** Not determined.  
**Clean Water Act (CWA) 307:** zinc oxide; zinc; lead; cadmium

#### Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

| Ingredient name | CAS number | %     |
|-----------------|------------|-------|
| cadmium         | 7440-43-9  | 0.008 |

## Section 15. Regulatory information

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Not applicable.

#### Composition/information on ingredients

No products were found.

### SARA 313

|  | Product name | CAS number | %    |
|--|--------------|------------|------|
| <b>Form R - Reporting requirements</b> | zinc         | 7440-66-6  | ≥90  |
|  | zinc oxide   | 1314-13-2  | ≤5   |
|  | lead         | 7439-92-1  | ≤0.1 |
| <b>Supplier notification</b>           | zinc         | 7440-66-6  | ≥90  |
|  | zinc oxide   | 1314-13-2  | ≤5   |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: ZINC OXIDE FUME; ZINC

**New York** : The following components are listed: Zinc

**New Jersey** : The following components are listed: ZINC OXIDE; ZINC

**Pennsylvania** : The following components are listed: ZINC OXIDE; ZINC OXIDE FUME; ZINC COMPOUNDS

### California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|-----------------|--------|--------------|---------------------------|---------------------------------|
| lead            | Yes.   | Yes.         | 15 µg/day (ingestion)     | Yes.                            |
| cadmium         | Yes.   | Yes.         | 0.05 µg/day (inhalation)  | 4.1 µg/day (ingestion)          |

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

## Section 15. Regulatory information

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

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

**Australia** : Not determined.

**Canada** : Not determined.

**China** : Not determined.

**Europe** : Not determined.

**Japan** : Not determined.

**Malaysia** : Not determined.

**New Zealand** : Not determined.

**Philippines** : Not determined.

**Republic of Korea** : Not determined.

**Taiwan** : Not determined.

## Section 16. Other information

### Procedure used to derive the classification

| Classification          | Justification      |
|-------------------------|--------------------|
| Aquatic Acute 1, H400   | Calculation method |
| Aquatic Chronic 1, H410 | Calculation method |

### History

**Date of printing** : 18.12.2017

**Date of issue/Date of revision** : 18.12.2017

**Date of previous issue** : No previous validation

**Version** : 1

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

**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)

## **Section 16. Other information**

version will prevail.