

# SAFETY DATA SHEET



## SteelMaster 1200HPE Comp B

### Section 1. Identification

**Product name** : SteelMaster 1200HPE Comp B  
**Product code** : 43903  
**Product description** : Hardener.  
**Product type** : Liquid.  
**Other means of identification** : Not available.

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

##### Identified uses

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

**Supplier** : Jotun Australia Pty. Ltd.  
59 Calarco Drive,  
Derrimut, VIC 3026,  
Australia  
  
Phone: + 61 39314 0722  
E-mail: SDSJotun@jotun.com

**Emergency telephone number** : Medical Emergencies 24 hours: Poisons Information Centre (Australia) 131 126

### Section 2. Hazard(s) identification

**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 1C  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
AQUATIC HAZARD (ACUTE) - Category 1  
AQUATIC HAZARD (LONG-TERM) - Category 2

#### GHS label elements

**Hazard pictograms** :



**Signal word** : DANGER

## Section 2. Hazard(s) identification

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>                                   | : H314 - Causes severe skin burns and eye damage.<br>H317 - May cause an allergic skin reaction.<br>H351 - Suspected of causing cancer.<br>H361 - Suspected of damaging fertility or the unborn child.<br>H373 - May cause damage to organs through prolonged or repeated exposure (urinary tract)<br>H400 - Very toxic to aquatic life.<br>H411 - Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Precautionary statements</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Prevention</b>                                          | : P201 - Obtain special instructions before use.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.<br>P273 - Avoid release to the environment.<br>P260 - Do not breathe vapor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Response</b>                                            | : P391 - Collect spillage.<br>P308 + P313 - IF exposed or concerned: Get medical advice or attention.<br>P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor.<br>P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.<br>P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.<br>P363 - Wash contaminated clothing before reuse.<br>P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. |
| <b>Storage</b>                                             | : Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Disposal</b>                                            | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Supplemental label elements</b>                         | : Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other hazards which do not result in classification</b> | : None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Section 3. Composition and ingredient information

|                                      |                  |
|--------------------------------------|------------------|
| <b>Substance/mixture</b>             | : Mixture        |
| <b>Other means of identification</b> | : Not available. |

| Ingredient name                                                      | % (w/w)   | CAS number        |
|----------------------------------------------------------------------|-----------|-------------------|
| titanium dioxide                                                     | ≥10 - ≤30 | CAS: 13463-67-7   |
| melamine                                                             | ≥10 - ≤30 | CAS: 108-78-1     |
| Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated | ≥10 - ≤17 | CAS: 1173092-74-4 |
| Fatty acids C18 unsat, reaction products with tetraethylenepentamine | ≥10 - ≤23 | CAS: 1226892-45-0 |
| Man-made vitreous silicate fibres, note Q conditions                 | ≤10       | CAS: 65997-17-3   |
| 2,4,6-tris(dimethylaminomethyl)phenol                                | ≤6.7      | CAS: 90-72-2      |
| kaolin                                                               | ≤5        | CAS: 1332-58-7    |

## Section 3. Composition and ingredient information

|                                                 |    |                  |
|-------------------------------------------------|----|------------------|
| 3-aminopropyl-diethylamine                      | ≤1 | CAS: 104-78-9    |
| benzenedimethanamine, n-(2-phenylethyl) derivs. | <1 | CAS: 404362-22-7 |

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** : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

## Section 4. First aid measures

- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- 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. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
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.

- Hazchem code** : 2X

## 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. Do not breathe vapor or mist. 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** : Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. 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.

## Section 7. Handling and storage

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

### 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

## Section 7. Handling and storage

See Technical Data Sheet / packaging for further information.

## Section 8. Exposure controls and personal protection

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

### Control parameters

#### Occupational exposure limits

| Ingredient name                                                                                                            | Exposure limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| titanium dioxide<br><br>Man-made vitreous silicate fibres, note Q conditions<br><br><br><br><br><br><br><br><br><br>kaolin | <b>Safe Work Australia (Australia, 11/2025)</b><br>TWA 8 hours: 10 mg/m <sup>3</sup> .<br><b>ACGIH TLV (United States, 1/2025)</b><br><b>[Continuous filament glass fibers] A4.</b><br>TWA 8 hours: 1 fibers/cm <sup>3</sup> . Form:<br>Respirable fibers: length greater than 5 µm;<br>aspect ratio equal to or greater than 3:1 as<br>determined by the membrane filter method<br>at 400-450X magnification (4-mm objective)<br>phase contrast illumination..<br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable<br>fraction.<br><b>Safe Work Australia (Australia, 11/2025)</b><br>TWA 8 hours: 10 mg/m <sup>3</sup> . |

#### Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying 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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- 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

## Section 8. Exposure controls and personal protection

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 ISO 374-1:2016.

Recommended, gloves(breakthrough time) > 8 hours: PVC (> 0.5 mm), nitrile rubber (> 0.75 mm), neoprene (> 0.35 mm), butyl rubber (> 0.4 mm)

### Body protection

- : Use chemical-resistant protective suit / disposable overall.

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

- : Liquid.

#### Color

- : White.

#### Odor

- : Characteristic.

#### Odor threshold

- : Not applicable.

#### pH

- : Not applicable.

#### Melting point

- : Not applicable.

#### Boiling point

- : Not available.

#### Flash point

- : Not available.

#### 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.

#### Relative density

- : 1.47 g/cm<sup>3</sup>

#### Solubility(ies)

- :

| Media      | Result      |
|------------|-------------|
| cold water | Not soluble |
| hot water  | Not soluble |

#### Partition coefficient: n-octanol/water

- : Not applicable.

## Section 9. Physical and chemical properties

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Auto-ignition temperature</b> | : Not available.                                                                                                                         |
| <b>Decomposition temperature</b> | : Not available.                                                                                                                         |
| <b>Viscosity</b>                 | : Dynamic (room temperature): Not available.<br>Kinematic (room temperature): Not available.<br>Kinematic (40°C (104°F)): Not available. |

## 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>             | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
| <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

##### Product/ingredient name

melamine

Carbomonocyclic alkylated mixtures of poly-  
aza-alkanes, hydrogenated  
Fatty acids C18 unsat, reaction products with  
tetraethylenepentamine

2,4,6-tris(dimethylaminomethyl)phenol

3-aminopropyldiethylamine

##### Result

**Rat - Oral - LD50**

3161 mg/kg

**Rat - Oral - LD50**

500 mg/kg

**Rat - Oral - LD50**

&gt;2000 mg/kg

OECD 423

**Rat - Oral - LD50**

500 mg/kg

**Rat - Oral - LD50**

550 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed  
activity) Lung, Thorax, or Respiration - Respiratory depression  
Other - Hair

**Rabbit - Male - Dermal - LD50**

524 mg/kg

OECD 402

**Conclusion/Summary [Product]** : Not available.

#### Skin corrosion/irritation

##### Product/ingredient name

titanium dioxide

Carbomonocyclic alkylated mixtures of poly-  
aza-alkanes, hydrogenated  
Fatty acids C18 unsat, reaction products with  
tetraethylenepentamine

2,4,6-tris(dimethylaminomethyl)phenol

##### Result

**Human - Skin - Mild irritant**

Duration of treatment/exposure: 72 hours

**Mammal - species unspecified - Skin - Severe irritant****Rabbit - Skin - Severe irritant**

OECD 404

Duration of treatment/exposure: <4 hoursAmount/concentration applied: 0,5 ml**Rat - Skin - Severe irritant**Amount/concentration applied: 0.25 ml

## Section 11. Toxicological information

3-aminopropyldiethylamine

Rat - Skin - Severe irritant

**Conclusion/Summary [Product]** : Not available.

### Serious eye damage/eye irritation

#### **Product/ingredient name**

melamine

Carbomonocyclic alkylated mixtures of poly-  
aza-alkanes, hydrogenated  
Fatty acids C18 unsat, reaction products with  
tetraethylenepentamine  
2,4,6-tris(dimethylaminomethyl)phenol

3-aminopropyldiethylamine

#### **Result**

**Rabbit - Eyes - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 milligrams**Mammal - species unspecified - Eyes - Severe irritant****Mammal - species unspecified - Eyes - Severe irritant****Rabbit - Eyes - Severe irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 50 µg**Rabbit - Eyes - Severe irritant**

**Conclusion/Summary [Product]** : Not available.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : Not available.

### Respiratory or skin sensitization

#### **Product/ingredient name**

Carbomonocyclic alkylated mixtures of poly-  
aza-alkanes, hydrogenated  
Fatty acids C18 unsat, reaction products with  
tetraethylenepentamine

3-aminopropyldiethylamine

1,3-Benzenedimethanamine, N-  
(2-phenylethyl) derivs.

#### **Result**

**Mammal - species unspecified - skin**Result: Sensitizing**Guinea pig - skin**

OECD 406

Result: Sensitizing**Guinea pig - skin**Result: Sensitizing**Mammal - species unspecified - skin**Result: Sensitizing

### **Skin**

**Conclusion/Summary [Product]** : Not available.

#### **Ingredient name**

Carbomonocyclic alkylated mixtures of poly-  
aza-alkanes, hydrogenated  
1,3-Benzenedimethanamine, N-  
(2-phenylethyl) derivs.

#### **Conclusion/Summary**

May cause an allergic skin reaction.

May cause an allergic skin reaction.

### **Respiratory**

**Conclusion/Summary [Product]** : Not available.

### Germ cell mutagenicity

#### **Product/ingredient name**

#### **Result**

## Section 11. Toxicological information

3-aminopropyldiethylamine

**In vivo - Mammalian-Animal - Oral**

OECD 489

Result: Negative**In vitro - Bacteria**

OECD 471

Result: Negative**In vitro - Mammalian-Animal**

OECD 473

Result: Negative**In vitro - Mammalian-Animal**

OECD 490

Result: Positive**Conclusion/Summary [Product]** : Not available.**Carcinogenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.**Reproductive toxicity****Product/ingredient name**

melamine

**Result****Rat - Male - Oral**

89 mg/kg

Fertility effects: Positive**Conclusion/Summary [Product]** : Not available.**Specific target organ toxicity (single exposure)****Product/ingredient name**

3-aminopropyldiethylamine

**Result**

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**Specific target organ toxicity (repeated exposure)****Product/ingredient name**

melamine

**Result**

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (urinary tract) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated  
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.**Aspiration hazard**

Not available.

**Information on the likely routes of exposure**

Not available.

**Potential acute health effects**

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

## Section 11. Toxicological information

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

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness                                                                                                         |
| <b>Inhalation</b>   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                                                          |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| <b>Ingestion</b>    | : Adverse symptoms may include the following:<br>stomach pains<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                                         |

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

#### Short term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Long term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

|                              |                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>               | : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| <b>Carcinogenicity</b>       | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.                                                                                 |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.                                                                                                                      |
| <b>Reproductive toxicity</b> | : Suspected of damaging fertility or the unborn child.                                                                                                                   |

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

| Product/ingredient name                                              | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|----------------------------------------------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| SteelMaster 1200HPE Comp B                                           | 2132.5       | 50898.9        | N/A                      | N/A                        | N/A                                 |
| melamine                                                             | 3161         | N/A            | N/A                      | N/A                        | N/A                                 |
| Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated | 500          | N/A            | N/A                      | N/A                        | N/A                                 |
| 2,4,6-tris(dimethylaminomethyl)phenol                                | 500          | N/A            | N/A                      | N/A                        | N/A                                 |
| 3-aminopropyldiethylamine                                            | 550          | 524            | N/A                      | N/A                        | N/A                                 |
| benzenedimethanamine, n-(2-phenylethyl) derivs.                      | 1000         | N/A            | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

#### Product/ingredient name

titanium dioxide

#### Result

##### Acute - LC50 - Marine water

Fish - Mummichog - *Fundulus heteroclitus*

&gt;1000000 µg/l [96 hours]

Effect: Mortality

##### Acute - LC50 - Fresh water

Crustaceans - Water flea - *Ceriodaphnia dubia* - Neonate

Age: &lt;24 hours

3 mg/l [48 hours]

Effect: Mortality

##### Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia pulex* - Neonate

Age: &lt;24 hours

6.5 mg/l [48 hours]

Effect: Mortality

##### EC50

OECD 201

Algae - *Pseudokirchneriella subcapitata*

0.638 mg/l [72 hours]

##### EC50

OECD 209

Micro-organism - Activated sludge

114 mg/l [3 hours]

##### Acute - LC50

OECD 203

Fish - *Danio rerio*

0.19 mg/l [96 hours]

##### Acute - EC50

OECD 202

Daphnia

0.18 mg/l [48 hours]

##### Chronic - NOEC

OECD 211

Daphnia

0.32 mg/l [21 days]

##### EC50

OECD 201

Algae - *Raphidocelis subcapitata*

34 mg/l [72 hours]

##### NOEC

OECD 201

Algae - *Raphidocelis subcapitata*

19.53 mg/l [72 hours]

Fatty acids C18 unsat, reaction products with tetraethylenepentamine

3-aminopropyldiethylamine

## Section 12. Ecological information

### Acute - LC50

Fish - *Leuciscus idus*  
146.6 mg/l [96 hours]

### Acute - EC50

ISO 6341  
Daphnia - *Daphnia magna*  
30.16 mg/l [48 hours]

### Chronic - NOEC

Daphnia - *Daphnia magna*  
2.01 mg/l [21 days]

**Conclusion/Summary [Product]** : Not available.

### Persistence and degradability

#### Product/ingredient name

Fatty acids C18 unsat, reaction products with  
tetraethylenepentamine  
3-aminopropyldiethylamine

#### Result

OECD 301 D  
24% [28 days]  
OECD 301 A  
90 to 100% [28 days] - Readily

**Conclusion/Summary [Product]** : Not available.

| Product/ingredient name   | Aquatic half-life | Photolysis | Biodegradability |
|---------------------------|-------------------|------------|------------------|
| 3-aminopropyldiethylamine | -                 | -          | Readily          |

### Bioaccumulative potential

| Product/ingredient name                                                    | LogP <sub>ow</sub> | BCF  | Potential |
|----------------------------------------------------------------------------|--------------------|------|-----------|
| melamine                                                                   | -1.22              | <3.8 | Low       |
| Fatty acids C18 unsat,<br>reaction products with<br>tetraethylenepentamine | 2.2                | -    | Low       |
| 2,4,6-tris<br>(dimethylaminomethyl)<br>phenol                              | 0.219              | -    | Low       |

### Mobility in soil

**Soil/Water partition  
coefficient** : 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 13. Disposal considerations

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

## Section 14. Transport information

|                            | ADG                                                                                    | ADR/RID                                                                                                                                                                      | IMDG                                                                                                                                                                        | IATA                                                                                                     |
|----------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| UN number                  | UN3066                                                                                 | UN3066                                                                                                                                                                       | UN3066                                                                                                                                                                      | UN3066                                                                                                   |
| UN proper shipping name    | Paint related material                                                                 | Paint related material                                                                                                                                                       | Paint related material                                                                                                                                                      | Paint related material                                                                                   |
| Transport hazard class(es) | 8<br> | 8<br>      | 8<br>  | 8<br>                 |
| Packing group              | III                                                                                    | III                                                                                                                                                                          | III                                                                                                                                                                         | III                                                                                                      |
| Environmental hazards      | Yes. The environmentally hazardous substance mark is not required.                     | Yes.                                                                                                                                                                         | Yes.                                                                                                                                                                        | Yes. The environmentally hazardous substance mark is not required.                                       |
| Additional information     | <b>Hazchem code</b> 2X                                                                 | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.<br><b>Hazard identification number</b> 80<br><b>Tunnel code</b> (E) | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.<br><b>Emergency schedules</b> F-A, S-B                                                | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

**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 IMO instruments :** Not available.

**Marine pollutant substances :** Fatty acids C18 unsat, reaction products with tetraethylenepentamine

**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 accordance with ADR/RID, IMDG/IMO and ICAO/IATA and national regulation.

**IMDG Code Segregation group :** 18 - Alkalis

**Marking :** The environmental hazardous / marine pollutant mark is only applicable for packages containing more than 5 litres for liquids and 5 kg for solids.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

## Section 15. Regulatory information

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

Not listed.

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

## Section 16. Any other relevant information

### History

**Date of printing** : 22.09.2026

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**Version** : 1

**Key to abbreviations** :

- ADG = Australian Dangerous Goods
- 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)
- NOHSC = National Occupational Health and Safety Commission
- SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons
- UN = United Nations

### Procedure used to derive the classification

| Classification                                                  | Justification      |
|-----------------------------------------------------------------|--------------------|
| SKIN CORROSION/IRRITATION - Category 1C                         | Calculation method |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1                 | Calculation method |
| SKIN SENSITIZATION - Category 1                                 | Calculation method |
| CARCINOGENICITY - Category 2                                    | Calculation method |
| TOXIC TO REPRODUCTION - Category 2                              | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 | Calculation method |
| AQUATIC HAZARD (ACUTE) - Category 1                             | Calculation method |
| AQUATIC HAZARD (LONG-TERM) - Category 2                         | Calculation method |

**References** : Not available.

Indicates information that has changed from previously issued version.

### Disclaimer

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 data given 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.

## **Section 16. Any other relevant information**

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