

# SAFETY DATA SHEET



## Megafiller Multi Comp A

### Section 1. Identification

**Product name** : Megafiller Multi Comp A  
**Product code** : 8743  
**Product description** : Putty.  
**Product type** : Solid.  
**Other means of identification** : Not available.

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

##### Identified uses

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 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
AQUATIC HAZARD (ACUTE) - Category 2  
AQUATIC HAZARD (LONG-TERM) - Category 2

#### GHS label elements

##### Hazard pictograms



**Signal word** : **WARNING**

**Hazard statements** : H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H411 - Toxic to aquatic life with long lasting effects.

#### Precautionary statements

## Section 2. Hazard(s) identification

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention</b>                                          | : P280 - Wear protective gloves. Wear eye or face protection.<br>P273 - Avoid release to the environment.<br>P261 - Avoid breathing dust.                                                                                                                                                                                                                                                                                                                                                |
| <b>Response</b>                                            | : P391 - Collect spillage.<br>P302 + P352 - IF ON SKIN: Wash with plenty of water.<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.<br>P362 + P364 - Take off contaminated clothing and wash it before reuse.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| <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>                         | : Contains engineered/manufactured nanomaterials. Caution: Hazards unknown.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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        |
|------------------------------------------------------------------------|-----------|-------------------|
| epoxy-formaldehyde resin (MW<700)                                      | ≥30 - ≤60 | CAS: 9003-36-5    |
| barium sulfate                                                         | ≥10 - ≤30 | CAS: 7727-43-7    |
| Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis- | ≥10 - ≤30 | CAS: 1675-54-3    |
| talc (non-asbestos form)                                               | ≤10       | CAS: 14807-96-6   |
| benzyl alcohol                                                         | ≤5        | CAS: 100-51-6     |
| titanium dioxide                                                       | ≤3        | CAS: 13463-67-7   |
| silica, amorphous, fumed, cryst.-free                                  | ≤3        | CAS: 112945-52-5  |
| amines, n-tallow alkyltrimethylenedi-, oleates                         | ≤0.3      | CAS: 1307863-78-0 |

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

|                    |                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b> | : 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. |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Section 4. First aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### 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.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### 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. 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** : 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  
sulfur oxides  
halogenated compounds  
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** : •3Z

## 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. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material 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. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

## 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. Do not get in eyes or on skin or clothing. Do not ingest. 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. See Section 10 for incompatible materials before handling or use.

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                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| barium sulfate<br><br>Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis-talc (non-asbestos form) | <b>Safe Work Australia (Australia, 11/2025)</b><br>TWA 8 hours: 10 mg/m <sup>3</sup> .<br><b>DFG MAC-values list (Germany, 7/2025)</b><br>Skin sensitizer.                                                                                                                                                                                                                                 |
| benzyl alcohol                                                                                                        | <b>Safe Work Australia (Australia, 11/2025)</b><br>TWA 8 hours: 2.5 mg/m <sup>3</sup> .<br><b>DFG MAC-values list (Germany, 7/2025)</b><br>Develop C. Absorbed through skin.<br>PEAK 15 minutes: 44 mg/m <sup>3</sup> 4 times per shift [Interval: 1 hour].<br>PEAK 15 minutes: 10 ppm 4 times per shift [Interval: 1 hour].<br>TWA 8 hours: 22 mg/m <sup>3</sup> .<br>TWA 8 hours: 5 ppm. |
| titanium dioxide                                                                                                      | <b>Safe Work Australia (Australia, 11/2025)</b><br>TWA 8 hours: 10 mg/m <sup>3</sup> .                                                                                                                                                                                                                                                                                                     |
| silica, amorphous, fumed, cryst.-free                                                                                 | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020) [silica, amorphous]</b><br>TWA 8 hours: 6 mg/m <sup>3</sup> . Form: inhalable dust.<br>TWA 8 hours: 2.4 mg/m <sup>3</sup> . Form: Respirable dust.                                                                                                                                                                                         |

## Section 8. Exposure controls and personal protection

### Biological exposure indices

No exposure indices known.

- 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. 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.

### 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 ISO 374-1:2016.
- Recommended, gloves(breakthrough time) > 8 hours: fluor rubber (> 0.35 mm), Viton® (> 0.7 mm), 4H/Silver Shield® (> 0.07 mm), butyl rubber (> 0.4 mm), neoprene (> 0.35 mm)
- May be used, gloves(breakthrough time) 4 - 8 hours: polyvinyl alcohol (PVA) (> 0.3 mm), nitrile rubber (> 0.75 mm), PVC (> 0.5 mm)

- 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.

## Section 8. Exposure controls and personal protection

- 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. [Paste.]
- Color** : White.
- Odor** : Characteristic.
- Odor threshold** : Not applicable.
- pH** : Not applicable.
- Melting point** : Not applicable.
- Boiling point** : Not available.
- Flash point** : Closed cup: 150°C (302°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not applicable.
- Vapor pressure** : Not available.
- Vapor density** : Not applicable.
- Relative density** : 0.925 g/cm<sup>3</sup>
- Solubility(ies)** :

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

- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- Viscosity** : Dynamic (room temperature): 90000 mPa·s (90000 cP)  
Kinematic (room temperature): Not available.  
Kinematic (40°C (104°F)): >20.5 mm<sup>2</sup>/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 reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

##### Product/ingredient name

Oxirane, 2,2'-[(1-methylethylidene)bis  
(4,1-phenyleneoxymethylene)]bis-

benzyl alcohol

##### Result

##### Mouse - Oral - LD50

15600 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Gross Metabolite Changes - Weight loss or decreased weight gain

##### Rabbit - Dermal - LD50

20 g/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Gross Metabolite Changes - Weight loss or decreased weight gain

##### Rat - Oral - LD50

1230 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma

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

#### Skin corrosion/irritation

##### Product/ingredient name

epoxy-formaldehyde resin (MW<700)  
Oxirane, 2,2'-[(1-methylethylidene)bis  
(4,1-phenyleneoxymethylene)]bis-  
titanium dioxide

amines, n-tallow alkyltrimethylenedi-, oleates

##### Result

**Mammal - species unspecified - Skin - Mild irritant**

**Rabbit - Skin - Mild irritant**

Amount/concentration applied: 500 milligrams

**Human - Skin - Mild irritant**

Duration of treatment/exposure: 72 hours

**Mammal - species unspecified - Skin - Mild irritant**

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

#### Serious eye damage/eye irritation

##### Product/ingredient name

Oxirane, 2,2'-[(1-methylethylidene)bis  
(4,1-phenyleneoxymethylene)]bis-

benzyl alcohol

amines, n-tallow alkyltrimethylenedi-, oleates

##### Result

**Rabbit - Eyes - Severe irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 milligrams

**Mammal - species unspecified - Eyes - Mild irritant**

**Mammal - species unspecified - Eyes - Mild irritant**

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

#### Respiratory corrosion/irritation

Not available.

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

#### Respiratory or skin sensitization

##### Product/ingredient name

epoxy-formaldehyde resin (MW<700)

Oxirane, 2,2'-[(1-methylethylidene)bis  
(4,1-phenyleneoxymethylene)]bis-

##### Result

**Mammal - species unspecified - skin**

Result: Sensitizing

**Mammal - species unspecified - skin**

Result: Sensitizing

## Section 11. Toxicological information

### Skin

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

**Ingredient name**

epoxy-formaldehyde resin (MW<700)  
Oxirane, 2,2'-[(1-methylethylidene)bis  
(4,1-phenyleneoxymethylene)]bis-

**Conclusion/Summary**

May cause an allergic skin reaction.  
May cause an allergic skin reaction.

### Respiratory

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

### Germ cell mutagenicity

Not available.

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

### Carcinogenicity

Not available.

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

### Reproductive toxicity

Not available.

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

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

**Product/ingredient name**

amines, n-tallow alkyltrimethylenedi-, oleates

**Result**

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

- |                     |                                                                |
|---------------------|----------------------------------------------------------------|
| <b>Eye contact</b>  | : Causes serious eye irritation.                               |
| <b>Inhalation</b>   | : No known significant effects or critical hazards.            |
| <b>Skin contact</b> | : Causes skin irritation. May cause an allergic skin reaction. |
| <b>Ingestion</b>    | : No known significant effects or critical hazards.            |

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

- |                    |                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------|
| <b>Eye contact</b> | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|--------------------|--------------------------------------------------------------------------------------------|

## Section 11. Toxicological information

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| <b>Inhalation</b>   | : No specific data.                                                    |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness |
| <b>Ingestion</b>    | : No specific data.                                                    |

### 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>               | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards.                                                   |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.                                                   |
| <b>Reproductive toxicity</b> | : No known significant effects or critical hazards.                                                   |

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                   | Oral (mg/kg)    | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------------------------|-----------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Megafiller Multi Comp A<br>benzyl alcohol | 34259.0<br>1200 | N/A<br>N/A     | N/A<br>N/A               | N/A<br>N/A                 | N/A<br>N/A                          |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                                                | Result                                                                                                            |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| epoxy-formaldehyde resin (MW<700)                                      | <b>Acute - LC50</b><br>Fish<br>2 mg/l [96 hours]<br><b>Acute - EC50</b><br>Daphnia<br>2 mg/l [24 hours]           |
| Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis- | <b>Acute - LC50</b><br>Fish - <i>pimephales promelas</i><br>3.1 mg/l [96 hours]<br><b>Acute - EC50</b><br>Daphnia |

## Section 12. Ecological information

titanium dioxide

1.4 mg/l [48 hours]

**Chronic - NOEC**

Fish

0.3 mg/l [21 days]

**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* - NeonateAge: <24 hours

3 mg/l [48 hours]

Effect: Mortality**Acute - LC50 - Fresh water**Daphnia - Water flea - *Daphnia pulex* - NeonateAge: <24 hours

6.5 mg/l [48 hours]

Effect: Mortality

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

### Persistence and degradability

Not available.

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

| Product/ingredient name                                            | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------------------------------------------------|-------------------|------------|------------------|
| epoxy-formaldehyde resin (MW<700)                                  | -                 | -          | Not readily      |
| Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] | -                 | -          | Not readily      |
| bis-benzyl alcohol                                                 | -                 | -          | Readily          |

### Bioaccumulative potential

| Product/ingredient name                                            | LogP <sub>ow</sub> | BCF  | Potential |
|--------------------------------------------------------------------|--------------------|------|-----------|
| epoxy-formaldehyde resin (MW<700)                                  | 2.7                | -    | Low       |
| Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] | 2.64 to 3.78       | 31   | Low       |
| bis-benzyl alcohol                                                 | 0.87               | <100 | Low       |

### Mobility in soil

**Soil/Water partition coefficient** : Not available.

### Other adverse effects

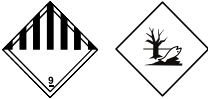
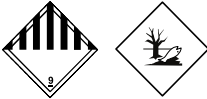
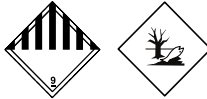
No known significant effects or critical hazards.

## 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.

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                                                                                                                                                                                     |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN number</b>                  | UN3077                                                                                                                                                                                                                                                                                                                                                               | UN3077                                                                                                                                                                                                                                                            | UN3077                                                                                                                                                                                                                               | UN3077                                                                                                                                                                                   |
| <b>UN proper shipping name</b>    | Environmentally hazardous substance, solid, n.o.s. (epoxy-formaldehyde resin (MW<700))                                                                                                                                                                                                                                                                               | Environmentally hazardous substance, solid, n.o.s. (epoxy-formaldehyde resin (MW<700))                                                                                                                                                                            | Environmentally hazardous substance, solid, n.o.s. (epoxy-formaldehyde resin (MW<700))                                                                                                                                               | Environmentally hazardous substance, solid, n.o.s. (epoxy-formaldehyde resin (MW<700))                                                                                                   |
| <b>Transport hazard class(es)</b> | 9<br>                                                                                                                                                                                                                                                                             | 9<br>                                                                                                                                                                          | 9<br>                                                                                                                                            | 9<br>                                                                                               |
| <b>Packing group</b>              | III                                                                                                                                                                                                                                                                                                                                                                  | III                                                                                                                                                                                                                                                               | III                                                                                                                                                                                                                                  | III                                                                                                                                                                                      |
| <b>Environmental hazards</b>      | Yes.                                                                                                                                                                                                                                                                                                                                                                 | Yes.                                                                                                                                                                                                                                                              | Yes.                                                                                                                                                                                                                                 | Yes.                                                                                                                                                                                     |
| <b>Additional information</b>     | The product is not regulated as a dangerous good when transported by road or rail in either an IBC, or in other container types if ≤500 kg. 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 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.<br><b>Hazchem code</b> •3Z | 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 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.<br><b>Hazard identification number</b> 90<br><b>Tunnel code</b> (-) | 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 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.<br><b>Emergency schedules</b> F-A, S-F | 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.

## Section 14. Transport information

**Transport in bulk according to IMO instruments** : Not available.

**Marine pollutant substances** : epoxy-formaldehyde resin (MW<700), Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-

**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.

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 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

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

## Section 15. Regulatory information

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

5

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

No listed substance

### International regulations

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

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

## Section 16. Any other relevant information

### History

**Date of printing** : 22.09.2026

**Date of issue/Date of revision** : 22.09.2026

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

**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

## Section 16. Any other relevant information

| Classification                                   | Justification      |
|--------------------------------------------------|--------------------|
| SKIN CORROSION/IRRITATION - Category 2           | Calculation method |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | Calculation method |
| SKIN SENSITIZATION - Category 1                  | Calculation method |
| AQUATIC HAZARD (ACUTE) - Category 2              | 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.*

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