

# SAFETY DATA SHEET



Jotun Protects Property

## Jotun Accelerator DMA10

### Section 1. Identification

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Product identifier</b>            | : Jotun Accelerator DMA10 |
| <b>Product code</b>                  | : 21820                   |
| <b>Product type</b>                  | : Liquid.                 |
| <b>Product description</b>           | : Hardener.               |
| <b>Other means of identification</b> | : Not available.          |

#### Recommended use of the chemical and restrictions on use

Use in coatings - Industrial use

Use in coatings - Professional use

|                           |   |
|---------------------------|---|
| <b>Supplier's details</b> | : Jotun UAE Ltd. L.L.C.<br>P.O.Box 3671, Dubai, U.A.E.<br>Tel: 009714 3395000<br>Fax:009714 3380666       |
|                           | Jotun Abu Dhabi L.L.C.<br>P.O.box-3714<br>Abu Dhabi U.A.E.<br>Tel: 00971 2 5510300<br>Fax:00971 2 5510232 |
|                           | SDSJotun@jotun.com  |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| <b>Emergency telephone number</b> | : Jotun AS, Norway<br>+47 33 45 70 00 |
|-----------------------------------|---------------------------------------|



### Section 2. Hazard identification

|   |  |
|---|--|
| <b>Classification of the substance or mixture</b> | :  LAMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (dermal) - Category 5<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A<br>CARCINOGENICITY - Category 2<br>REPRODUCTIVE TOXICITY - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1<br>ASPIRATION HAZARD - Category 1 |
|---|--|

## Section 2. Hazard identification

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

### GHS label elements

#### Hazard pictograms



#### Signal word

: Danger.

#### Hazard statements

: H226 - Flammable liquid and vapour.  
 H302 + H332 - Harmful if swallowed or if inhaled.  
 H304 - May be fatal if swallowed and enters airways.  
 H313 - May be harmful in contact with skin.  
 H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H335 - May cause respiratory irritation.  
 H351 - Suspected of causing cancer.  
 H361 - Suspected of damaging fertility or the unborn child.  
 H372 - Causes damage to organs through prolonged or repeated exposure.  
 (hearing organs)  
 H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements

#### General

: Not applicable.

#### Prevention

: P201 - Obtain special instructions before use.  
 P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P273 - Avoid release to the environment.  
 P260 - Do not breathe vapour.  
 P270 - Do not eat, drink or smoke when using this product.

#### Response

: P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
 P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.  
 P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.  
 P362 + P364 - Take off contaminated clothing and wash it before reuse.  
 P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical advice or attention.

#### Storage

: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

#### Disposal

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other hazards which do not result in classification** : None known.

## Section 3. Composition/information on ingredients

#### Substance/mixture

: Mixture

#### Other means of identification

: Not available.

## Section 3. Composition/information on ingredients

| Ingredient name            | %         | CAS number |
|----------------------------|-----------|------------|
| styrene                    | ≥75 - ≤90 | 100-42-5   |
| N,N-dimethylaniline        | ≤10       | 121-69-7   |
| 1,4-benzenediol, 2-methyl- | ≤0.022    | 95-71-6    |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention. If necessary, call a poison center or physician. 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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** : Harmful if inhaled. May cause respiratory irritation.
- Skin contact** : May be harmful in contact with skin. Causes skin irritation.
- Ingestion** : Harmful if swallowed. May be fatal if swallowed and enters airways.

#### Over-exposure signs/symptoms

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

## Section 4. First aid measures

- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting  
reduced foetal weight  
increase in foetal 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. Firefighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful 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
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flames, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of 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.

### Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). 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 vapour or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. 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.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations.

### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

### Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

See Technical Data Sheet / packaging for further information.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

#### Biological exposure indices

No exposure indices known.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying to ISO 16321-1:2022 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** : 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.

## Section 8. Exposure controls/personal protection

Wear suitable gloves tested to ISO 374-1:2016.

May be used, gloves(breakthrough time) 4 - 8 hours: Viton® (> 0.7 mm)

Not recommended, gloves(breakthrough time) < 1 hour: nitrile rubber (> 0.75 mm), neoprene (> 0.35 mm), butyl rubber (> 0.4 mm), PVC (> 0.5 mm)

Recommended, gloves(breakthrough time) > 8 hours: Teflon (> 0.35 mm), polyvinyl alcohol (PVA) (> 0.3 mm), 4H/Silver Shield® (> 0.07 mm)

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

### 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

### 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

- : If workers are exposed to concentrations above the exposure limit, they must use a respirator according to EN 140. Use respiratory mask with charcoal and dust filter when spraying this product, according to EN 14387(as filter combination A2-P2). In confined spaces, use compressed-air or fresh-air respiratory equipment. When use of roller or brush, consider use of charcoalfilter.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

|   |   |
|---|---|
| <b>Physical state</b>                                     | : Liquid.   |
| <b>Colour</b>   | : Yellowish.  |
| <b>Odour</b>  | : Pungent.  |
| <b>Odour threshold</b>                                    | : Not applicable.   |
| <b>pH</b>   | : Not applicable.   |
| <b>Melting point/freezing point</b>                       | : Not applicable.   |
| <b>Boiling point</b>                                      | : Lowest known value: 145°C (293°F) (styrene). Weighted average: 149.86°C (301.7°F)                               |
| <b>Flash point</b>  | : Closed cup: 31°C (87.8°F)   |
| <b>Evaporation rate</b>                                   | : 0.536 (styrene) compared with butyl acetate   |
| <b>Flammability</b>                                       | : Not applicable.   |
| <b>Lower and upper explosion limit/flammability limit</b> | : 0.9 - 7%  |
| <b>Vapour pressure</b>                                    | : Highest known value: 0.9 kPa (6.4 mm Hg) (at 20°C) (styrene). Weighted average: 0.82 kPa (6.15 mm Hg) (at 20°C) |
| <b>Vapour density</b>                                     | : Highest known value: 4.2 (Air = 1) (N,N-dimethylaniline). Weighted average: 3.66 (Air = 1)                      |
| <b>Density</b>  | : 0.91 g/cm <sup>3</sup>  |
| <b>Solubility(ies)</b>                                    | :   |

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

## Section 9. Physical and chemical properties and safety characteristics

|   |  |
|---|--|
| <b>Partition coefficient: n-octanol/water</b> | : Not available.   |
| <b>Auto-ignition temperature</b>              | : Lowest known value: 371.11°C (700°F) (N,N-dimethylaniline).  |
| <b>Decomposition temperature</b>              | : Not available.   |
| <b>Viscosity</b>                              | : <input checked="" type="checkbox"/> Kinematic (40°C (104°F)): <20.5 mm <sup>2</sup> /s (<20.5 cSt) |
| <b>Particle characteristics</b>               |  |
| <b>Median particle size</b>                   | : Not applicable.  |

## 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>                 | : Stable under recommended storage and handling conditions (see Section 7).  |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| <b>Conditions to avoid</b>                | : When exposed to high temperatures may produce hazardous decomposition products.  |
| <b>Incompatible materials</b>             | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| <b>Hazardous decomposition products</b>   | : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.        |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                 | Species | Dose                  | Exposure |
|-------------------------|------------------------|---------|-----------------------|----------|
| styrene                 | LC50 Inhalation Vapour | Rat     | 11.8 mg/l             | 4 hours  |
|                         | LD50 Dermal            | Rat     | 2000 mg/kg            | -        |
|                         | LD50 Oral              | Rat     | 5000 mg/kg            | -        |
| N,N-dimethylaniline     | LC50 Inhalation Vapour | Rat     | 5.1 mg/l              | 4 hours  |
|                         | LCLo Inhalation Vapour | Rat     | 250 mg/m <sup>3</sup> | 4 hours  |
|                         | LD50 Dermal            | Rabbit  | 1770 mg/kg            | -        |
|                         | LD50 Oral              | Rat     | 1348 mg/kg            | -        |

#### Irritation/Corrosion

| Product/ingredient name    | Result                   | Species                      | Score | Exposure                | Observation |
|----------------------------|--------------------------|------------------------------|-------|-------------------------|-------------|
| styrene                    | Eyes - Moderate irritant | Rabbit                       | -     | 24 hours 100 milligrams | -           |
|                            | Skin - Moderate irritant | Rabbit                       | -     | 100 Percent             | -           |
| N,N-dimethylaniline        | Eyes - Moderate irritant | Rabbit                       | -     | 24 hours 20 milligrams  | -           |
|                            | Eyes - Moderate irritant | Rabbit                       | -     | 20 milligrams           | -           |
|                            | Skin - Mild irritant     | Rabbit                       | -     | 24 hours 500 milligrams | -           |
|                            | Skin - Mild irritant     | Rabbit                       | -     | 500 milligrams          | -           |
| 1,4-benzenediol, 2-methyl- | Eyes - Irritant          | Mammal - species unspecified | -     | -                       | -           |

#### Sensitisation

| Product/ingredient name    | Route of exposure | Species                      | Result      |
|----------------------------|-------------------|------------------------------|-------------|
| 1,4-benzenediol, 2-methyl- | skin              | Mammal - species unspecified | Sensitising |

#### Mutagenicity



## Section 11. Toxicological information

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

| Product/ingredient name    | Category   | Route of exposure | Target organs                |
|----------------------------|------------|-------------------|------------------------------|
| styrene                    | Category 3 | -                 | Respiratory tract irritation |
| 1,4-benzenediol, 2-methyl- | Category 3 | -                 | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)


| Product/ingredient name | Category   | Route of exposure | Target organs  |
|-------------------------|------------|-------------------|----------------|
| styrene                 | Category 1 | -                 | hearing organs |

### Aspiration hazard

| Product/ingredient name | Result                         |
|-------------------------|--------------------------------|
| styrene                 | ASPIRATION HAZARD - Category 1 |

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

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Harmful if inhaled. May cause respiratory irritation.
- Skin contact** : May be harmful in contact with skin. Causes skin irritation.
- Ingestion** :  Harmful if swallowed. May be fatal if swallowed and enters airways.

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

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

## Section 11. Toxicological information

**Ingestion** : Adverse symptoms may include the following:  
 nausea or vomiting  
 reduced foetal weight  
 increase in foetal deaths  
 skeletal malformations

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : Causes damage to organs through prolonged or repeated exposure.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : Suspected of damaging fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| Jotun Accelerator DMA10 | 1000         | 3000.0         | N/A                      | 10.4                        | N/A                                 |
| styrene                 | N/A          | N/A            | N/A                      | 11.8                        | N/A                                 |
| N,N-dimethylaniline     | 100          | 300            | N/A                      | 5.1                         | N/A                                 |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name    | Result                                     | Species  | Exposure |
|----------------------------|--|--|----------|
| N,N-dimethylaniline        | Acute EC50 2.3 to 3.1 mg/l Fresh water     | Daphnia - Daphnia magna  | 48 hours |
|                            | Acute LC50 65600 to 69800 µg/l Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| 1,4-benzenediol, 2-methyl- | Acute EC50 0.19 mg/l                       | Daphnia - Daphnia magna  | 48 hours |
|                            | Acute LC50 0.09 mg/l                       | Fish - Fathead minnow  | 96 hours |

### Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| N,N-dimethylaniline     | -                 | -          | Not readily      |

### Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name    | LogP <sub>ow</sub> | BCF   | Potential |
|----------------------------|--------------------|-------|-----------|
| styrene                    | 2.96               | 13.49 | low       |
| N,N-dimethylaniline        | 1.171              | 16    | low       |
| 1,4-benzenediol, 2-methyl- | 0.91               | -     | low       |

### Mobility in soil




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

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised 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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | UN   | IMDG   | IATA   |
|-----------------------------------|--|--|--|
| <b>UN number</b>                  | UN1993   | UN1993   | UN1993   |
| <b>UN proper shipping name</b>    | Flammable liquid, n.o.s. (styrene)   | Flammable liquid, n.o.s. (styrene)   | Flammable liquid, n.o.s. (styrene)   |
| <b>Transport hazard class(es)</b> | 3<br> | 3<br> | 3<br> |
| <b>Packing group</b>              | III  | III  | III  |
| <b>Environmental hazards</b>      | No.  | No.  | No.  |

### Additional information

**IMDG** : **Emergency schedules** F-E, S-E  
**ADR/RID** : **Hazard identification number** 30  
**Tunnel code** (D/E)

**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.

## Section 15. Regulatory information

### 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. Other information

### History

**Date of printing** : 09.04.2024

**Date of issue/Date of revision** : 09.04.2024

**Date of previous issue** : 06.12.2023

**Version** : 1.01

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 SGG = Segregation Group  
 UN = United Nations

### Procedure used to derive the classification

| Classification  | Justification   |
|---|---|
| <input checked="" type="checkbox"/> FLAMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (dermal) - Category 5<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A<br>CARCINOGENICITY - Category 2<br>REPRODUCTIVE TOXICITY - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1<br>ASPIRATION HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

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

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

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