



# 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 6/15/2015 Revision date: 2/5/2024 Version: 1.2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|                 |   |
|-----------------|---|
| Product form    | : Mixture   |
| Product name    | : 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol   |
| EC-No.          | : 252-297-3   |
| CAS-No.         | : 34937-00-3  |
| Product code    | : SIS6994.0   |
| Formula         | : C <sub>17</sub> H <sub>31</sub> ClN <sub>2</sub> O <sub>3</sub> Si  |
| Synonyms        | : VINYL BENZYL (TRIMETHOXYSILYL) PROPYLETHANEDIAMINE HCL; 1,2-ETHANEDIAMINE, N-[(ETHENYLPHENYL)METHYL]-N'-[3-(TRIMETHOXYSILYL)PROPYL]-, MONOHYDROCHLORIDE |
| Product group   | : Blend   |
| Chemical family | : ORGANOMETHOXYSILANE   |

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Chemical intermediate

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### GELEST, INC.

11 East Steel Road  
Morrisville, PA 19067

##### USA

T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST

[info@gelest.com](mailto:info@gelest.com) - [www.gelest.com](http://www.gelest.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|  |      |
|--|------|
| Flammable liquids, Category 2                                | H225 |
| Acute toxicity (oral), Category 3                            | H301 |
| Acute toxicity (dermal), Category 3                          | H311 |
| Acute toxicity (inhalation:vapour) Category 3                | H331 |
| Serious eye damage/eye irritation, Category 2                | H319 |
| Specific target organ toxicity – single exposure, Category 1 | H370 |
| Full text of H- and EUH-statements: see section 16           |      |

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS06

GHS08

Signal word (CLP)

: Danger

Contains

: Methanol ; Methyl alcohol

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.  
H370 - Causes damage to organs.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P260 - Do not breathe vapours.  
P264 - Wash hands thoroughly after handling.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|---|-----------|--|
| Methanol  | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X | $\geq 60$ | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>STOT SE 1, H370 |
| 1,2-Ethanediamine, N-[(ethenylphenyl)methyl]-N'-[3-(trimethoxysilyl)propyl]-, monohydrochloride | CAS-No.: 34937-00-3<br>EC-No.: 252-297-3                            | $\geq 40$ | Eye Irrit. 2, H319   |

#### Specific concentration limits:

| Name     | Product identifier  | Specific concentration limits  |
|----------|---|--|
| Methanol | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X | ( $3 \leq C < 10$ ) STOT SE 2, H371<br>( $10 \leq C < 100$ ) STOT SE 1, H370 |

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. Call a POISON CENTER/doctor. |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.   |
| First-aid measures after skin contact | : Remove/take off immediately all contaminated clothing. Wash with plenty of water/.... Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.   |
| First-aid measures after ingestion    | : Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor.   |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : Causes damage to organs.   |
| Symptoms/effects after inhalation   | : Toxic if inhaled. Danger of serious damage to health by prolonged exposure through inhalation. May cause drowsiness or dizziness. Overexposure may cause: Nausea. Headache. Visual disturbances. Cough.  |
| Symptoms/effects after skin contact | : Toxic in contact with skin. Causes skin irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard.  |
| Symptoms/effects after eye contact  | : Causes serious eye damage.   |
| Symptoms/effects after ingestion    | : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness. Onset of symptoms may be delayed up to 48 hours. |
| Chronic symptoms                    | : Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision. The solvent, methanol, probably determines toxicity. Ingestion of methanol can cause blindness and death.  |

#### 4.3. Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Foam. Carbon dioxide. Dry chemical. |
|------------------------------|--|

#### 5.2. Special hazards arising from the substance or mixture

|                  |   |
|------------------|---|
| Fire hazard      | : Highly flammable liquid and vapour. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture.  |

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire.  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist. |

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Use special care to avoid static electric charges.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing vapours.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.  
Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Containers must be properly grounded before beginning transfer. Use only non-sparking tools.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.  
Storage conditions : Keep container tightly closed. Store < 5°C.  
Incompatible materials : Acids. alcohols. Oxidizing agent. Peroxides. Moisture. Water :  
Storage area : Store in a well-ventilated place. Store away from heat.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

| Methanol (67-56-1)                                 |           |
|--|-----------|
| EU - Indicative Occupational Exposure Limit (IOEL) |           |
| Local name   | Methanol  |
| IOEL TWA   | 260 mg/m³ |
|  | 200 ppm   |

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| Methanol (67-56-1)   |                                 |
|----------------------|---------------------------------|
| Remark               | Skin                            |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or face shield. Contact lenses should not be worn

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Neoprene or nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified combination organic vapor - amine gas (brown cartridge) respirator.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                              |
|-----------------|------------------------------|
| Physical state  | : Liquid                     |
| Colour          | : Straw. Amber.              |
| Appearance      | : Liquid.                    |
| Molecular mass  | : 373.98 g/mol               |
| Odour           | : Mild. Amine. Ammonia-like. |
| Odour threshold | : Not available              |
| Melting point   | : Not available              |

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|   |   |
|---|---|
| Freezing point                                  | : < 0 °C  |
| Boiling point                                   | : 68 °C (initial, methanol)                       |
| Flammability                                    | : Highly flammable liquid and vapour.             |
| Explosive limits                                | : Not available                                   |
| Lower explosion limit                           | : Not available                                   |
| Upper explosion limit                           | : Not available                                   |
| Flash point                                     | : 11 °C   |
| Auto-ignition temperature                       | : Not available                                   |
| Decomposition temperature                       | : Not available                                   |
| pH  | : Not available                                   |
| Viscosity, kinematic                            | : 2.3 mm²/s                                       |
| Solubility                                      | : Partially. Soluble in water. Reacts with water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                   |
| Vapour pressure                                 | : 50 mm Hg @ 25°C                                 |
| Vapour pressure at 50°C                         | : Not available                                   |
| Density   | : Not available                                   |
| Relative density                                | : 0.91  |
| Relative vapour density at 20°C                 | : > 1   |
| Particle characteristics                        | : Not applicable                                  |

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

|                  |         |
|------------------|---------|
| VOC content      | : < 5 % |
| Refractive index | : 1.395 |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable in sealed containers stored in the dark below 10°C.

### 10.3. Possibility of hazardous reactions

Reacts with water and moisture in air, liberating methanol. Non-hazardous polymerization can occur.

### 10.4. Conditions to avoid

Heat. Sparks. Open flame.

### 10.5. Incompatible materials

Acids. alcohols. Oxidizing agent. Peroxides. Moisture. Water :

### 10.6. Hazardous decomposition products

Organic acid vapors. Methanol.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |  |
|-----------------------------|--|
| Acute toxicity (oral)       | : Toxic if swallowed.                  |
| Acute toxicity (dermal)     | : Toxic in contact with skin.          |
| Acute toxicity (inhalation) | : Inhalation:vapour: Toxic if inhaled. |

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|  |   |
|--|---|
| 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol (34937-00-3) |   |
| ATE CLP (oral)   | 166.667 mg/kg bodyweight  |
| ATE CLP (dermal)   | 500 mg/kg bodyweight  |
| ATE CLP (vapours)  | 5 mg/l/4h   |
| Methanol (67-56-1)   |   |
| LD50 oral rat  | 100 mg/kg Source: National Institute of Environmental Research NCIS |
| LD50 dermal rabbit   | 300 mg/kg Source: ECHA  |
| LC50 Inhalation - Rat [ppm]  | 22500 ppm (Exposure time: 8 h)                                      |
| Skin corrosion/irritation  | : Not classified  |
| Methanol (67-56-1)   |   |
| pH   | 12.1 Source: Gestis   |
| Serious eye damage/irritation  | : Causes serious eye irritation.                                    |
| Methanol (67-56-1)   |   |
| pH   | 12.1 Source: Gestis   |
| Respiratory or skin sensitisation  | : Not classified  |
| Germ cell mutagenicity   | : Not classified  |
| Carcinogenicity  | : Not classified  |
| Reproductive toxicity  | : Not classified  |
| STOT-single exposure   | : Causes damage to organs.  |
| Additional information   | : May cause drowsiness or dizziness.<br>Causes damage to organs.    |
| Methanol (67-56-1)   |   |
| STOT-single exposure   | Causes damage to organs.  |
| STOT-repeated exposure   | : Not classified  |
| Aspiration hazard  | : Not classified  |
| 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol (34937-00-3) |   |
| Viscosity, kinematic   | 2.3 mm²/s   |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

|                      |  |
|----------------------|--|
| Methanol (67-56-1)   |  |
| LC50 - Fish [1]      | 28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 - Fish [2]      | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| EC50 96h - Algae [1] | 22000 mg/l Source: ECHA  |

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| Methanol (67-56-1) |   |
|--------------------|---|
| NOEC (chronic)     | 208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'         |
| NOEC chronic fish  | 446.7 mg/l Test organisms (species): Pimephales promelas Duration: '28 d' |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Methanol (67-56-1)                              |       |
|---|-------|
| BCF - Fish [1]                                  | < 10  |
| Partition coefficient n-octanol/water (Log Pow) | -0.77 |

12.4. Mobility in soil

| Methanol (67-56-1) |                   |
|--------------------|-------------------|
| Mobility in soil   | 2.75 Source: HSDB |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : This substance may be hazardous to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : May be incinerated. Dispose in a safe manner in accordance with local/national regulations.  
Dispose of contents/container to licensed waste disposal facility..  
Additional information : Handle empty containers with care because residual vapours are flammable.  
Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                           | IMDG     | IATA     | ADN      | RID      |
|-------------------------------|----------|----------|----------|----------|
| 14.1. UN number or ID number  |          |          |          |          |
| UN 1230                       | UN 1230  | UN 1230  | UN 1230  | UN 1230  |
| 14.2. UN proper shipping name |          |          |          |          |
| METHANOL                      | METHANOL | Methanol | METHANOL | METHANOL |



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| ADR  | IMDG  | IATA  | ADN   | RID   |
|--|---|---|---|---|
| Transport document description   |   |   |   |   |
| UN 1230 METHANOL (3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol), 3 (6.1), II, (D/E) | UN 1230 METHANOL (3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol), 3 (6.1), II (12°C c.c.) | UN 1230 Methanol (3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol), 3 (6.1), II | UN 1230 METHANOL (3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol), 3 (6.1), II | UN 1230 METHANOL (3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol), 3 (6.1), II |
| 14.3. Transport hazard class(es)   |   |   |   |   |
| 3 (6.1)  | 3 (6.1)   | 3 (6.1)   | 3 (6.1)   | 3 (6.1)   |
|  |   |   |   |   |
| 14.4. Packing group  |   |   |   |   |
| II   | II  | II  | II  | II  |
| 14.5. Environmental hazards  |   |   |   |   |
| Dangerous for the environment: No  | Dangerous for the environment: No<br>Marine pollutant: No   | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available   |   |   |   |   |

14.6. Special precautions for user

Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)   | : FT1         |
| Special provisions (ADR)  | : 279         |
| Limited quantities (ADR)  | : 1I          |
| Excepted quantities (ADR)   | : E2          |
| Packing instructions (ADR)  | : P001, IBC02 |
| Mixed packing provisions (ADR)  | : MP19        |
| Portable tank and bulk container instructions (ADR)                     | : T7          |
| Portable tank and bulk container special provisions (ADR)               | : TP2         |
| Tank code (ADR)   | : L4BH        |
| Tank special provisions (ADR)   | : TU15        |
| Vehicle for tank carriage   | : FL          |
| Transport category (ADR)  | : 2           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28  |
| Special provisions for carriage - Operation (ADR)                       | : S2, S19     |
| Hazard identification number (Kemler No.)                               | : 336         |
| Orange plates   | :             |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : D/E |
|-------------------------------|-------|

Transport by sea

|                           |       |
|---------------------------|-------|
| Special provisions (IMDG) | : 279 |
| Limited quantities (IMDG) | : 1 L |

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|                                    |   |
|------------------------------------|---|
| Excepted quantities (IMDG)         | : E2  |
| Packing instructions (IMDG)        | : P001  |
| IBC packing instructions (IMDG)    | : IBC02   |
| Tank instructions (IMDG)           | : T7  |
| Tank special provisions (IMDG)     | : TP2   |
| EmS-No. (Fire)                     | : F-E   |
| EmS-No. (Spillage)                 | : S-D   |
| Stowage category (IMDG)            | : B   |
| Stowage and handling (IMDG)        | : SW2   |
| Flash point (IMDG)                 | : 12°C c.c.   |
| Properties and observations (IMDG) | : Colourless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5%. Miscible with water. Toxic if swallowed; may cause blindness. Avoid skin contact. |

### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA packing instructions (IATA)              | : 352  |
| PCA max net quantity (IATA)                  | : 1L   |
| CAO packing instructions (IATA)              | : 364  |
| CAO max net quantity (IATA)                  | : 60L  |
| Special provisions (IATA)                    | : A113 |
| ERG code (IATA)                              | : 3L   |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : FT1                |
| Special provisions (ADN)          | : 279, 802           |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E2                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP, EP, EX, TOX, A |
| Ventilation (ADN)                 | : VE01, VE02         |
| Number of blue cones/lights (ADN) | : 2                  |

### Rail transport

|   |               |
|---|---------------|
| Classification code (RID)   | : FT1         |
| Special provisions (RID)  | : 279         |
| Limited quantities (RID)  | : 1L          |
| Excepted quantities (RID)   | : E2          |
| Packing instructions (RID)  | : P001, IBC02 |
| Mixed packing provisions (RID)  | : MP19        |
| Portable tank and bulk container instructions (RID)                     | : T7          |
| Portable tank and bulk container special provisions (RID)               | : TP2         |
| Tank codes for RID tanks (RID)  | : L4BH        |
| Special provisions for RID tanks (RID)                                  | : TU15        |
| Transport category (RID)  | : 2           |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28  |
| Colis express (express parcels) (RID)                                   | : CE7         |
| Hazard identification number (RID)                                      | : 336         |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |   |  |
|--|---|--|
| Reference code                         | Applicable on   | Entry title or description   |
| 3(a)                                   | 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol ;<br>Methanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F   |
| 3(b)                                   | 3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXYSILANE HYDROCHLORIDE, 40% in methanol ;<br>Methanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10  |
| 40.                                    | Methanol  | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |
| 69.                                    | Methanol  | Methanol   |

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### VOC Directive (2004/42)

VOC content : < 5 %

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

3-(N-STYRYLMETHYL-2-AMINOETHYLAMINO)PROPYLTRIMETHOXY-SILANE  
HYDROCHLORIDE, 40% in methanol

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

| Abbreviations and acronyms: |  |
|-----------------------------|--|
|                             | Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor |

Other information : Prepared by safety and environmental affairs.

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                          |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                          |
| Acute Tox. 3 (Inhalation:vapour)    | Acute toxicity (inhalation:vapour) Category 3                |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                            |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                |
| H225                                | Highly flammable liquid and vapour.                          |
| H301                                | Toxic if swallowed.  |
| H311                                | Toxic in contact with skin.                                  |
| H319                                | Causes serious eye irritation.                               |
| H331                                | Toxic if inhaled.  |
| H370                                | Causes damage to organs.                                     |
| H371                                | May cause damage to organs.                                  |
| STOT SE 1                           | Specific target organ toxicity – single exposure, Category 1 |
| STOT SE 2                           | Specific target organ toxicity – Single exposure, Category 2 |

SDS EU (REACH Annex II) - Custom v22

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