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

1.1. Product identifier

Product form : Substance
Physical state : Liquid
Substance name : 1,4-BIS(TRIMETHOXYSILYLMETHYL)BENZENE
Product code : SIB1832.2
Formula : C14H26O6Si2
Synonyms : p-BIS(TRIMETHOXYSILYLMETHYL)BENZENE
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 - www.gelest.com

GELEST INC.
Fritz-Klatte-Strasse 8
65933 Frankfurt
Germany
T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - 4:00 PM
info@geleste.com - www.geleste.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]
Serious eye damage/eye irritation, Category 2 : H319
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) : GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation.
Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
1,4-BIS(TRIMETHOXYSILYL METHYL)BENZENE
Safety Data Sheet

2.3. Other hazards
Other hazards not contributing to the classification: Note: The hydrolysis product of this product is methanol. Swallowing methanol can cause drowsiness, unconsciousness, blindness and death.

SECTION 3: Composition/information on ingredients
3.1. Substances

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono-constituent</td>
<td>1,4-BIS(TRIMETHOXYSILYL METHYL)BENZENE</td>
<td>193358-40-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,4-Bis(trimethoxysilylmethyl)benzene</td>
<td>(CAS-No.) 193358-40-6</td>
<td>&gt; 95</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Methanol</td>
<td>(CAS-No.) 67-56-1</td>
<td></td>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 200-659-6</td>
<td></td>
<td>Acute Tox. 3 (Oral), H301</td>
</tr>
<tr>
<td></td>
<td>(EC Index No.) 603-001-00-X</td>
<td></td>
<td>Acute Tox. 3 (Dermal), H311</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3 (Inhalation:vapour), H331</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 1, H370</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>(CAS-No.) 67-56-1</td>
<td>(3 &lt;=C &lt; 10) STOT SE 2, H371</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 200-659-6</td>
<td>(10 &lt;=C &lt; 100) STOT SE 1, H370</td>
</tr>
<tr>
<td></td>
<td>(EC Index No.) 603-001-00-X</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

3.2. Mixtures
Not applicable

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.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with plenty of water/….

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

Symptoms/effects after skin contact: May cause skin irritation.

Symptoms/effects after eye contact: Causes serious eye irritation.

Symptoms/effects after ingestion: May be harmful if swallowed.

Chronic symptoms: On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.

4.3. Indication of any immediate medical attention and special treatment needed
NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. 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
5.2. Special hazards arising from the substance or mixture

Fire hazard: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. 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 vapor and mist.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

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.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

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

Storage conditions: Keep container tightly closed.

Incompatible materials: Oxidizing agent.

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

<table>
<thead>
<tr>
<th>Methanol (67-56-1)</th>
<th>EU</th>
<th>IOELV TWA (mg/m³)</th>
<th>260 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td></td>
<td>IOELV TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Austria</td>
<td></td>
<td>MAK (mg/m³)</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td>Austria</td>
<td></td>
<td>MAK (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Austria</td>
<td></td>
<td>MAK Short time value (mg/m³)</td>
<td>1040 mg/m³</td>
</tr>
<tr>
<td>Austria</td>
<td></td>
<td>MAK Short time value (ppm)</td>
<td>800 ppm</td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>Limit value (mg/m³)</td>
<td>266 mg/m³</td>
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<tr>
<td>Belgium</td>
<td></td>
<td>Limit value (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>Short time value (mg/m³)</td>
<td>333 mg/m³</td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>Short time value (ppm)</td>
<td>250 ppm</td>
</tr>
<tr>
<td>Bulgaria</td>
<td></td>
<td>OEL TWA (mg/m³)</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td>Bulgaria</td>
<td></td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Cyprus</td>
<td></td>
<td>OEL TWA (mg/m³)</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td>Cyprus</td>
<td></td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
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<td>France</td>
<td></td>
<td>VLE (mg/m³)</td>
<td>1300 mg/m³</td>
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<tr>
<td>France</td>
<td></td>
<td>VLE (ppm)</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>France</td>
<td></td>
<td>VME (mg/m³)</td>
<td>260 mg/m³ (restrictive limit)</td>
</tr>
<tr>
<td>France</td>
<td></td>
<td>VME (ppm)</td>
<td>200 ppm (restrictive limit)</td>
</tr>
<tr>
<td>Country/Region</td>
<td>National Standard/Regulation</td>
<td>Limit Value</td>
<td>Context/Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------</td>
<td>-------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Germany</td>
<td>TRGS 900 Occupational exposure limit value (mg/m³)</td>
<td>270 mg/m³</td>
<td>(The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)</td>
</tr>
<tr>
<td>Germany</td>
<td>TRGS 900 Occupational exposure limit value (ppm)</td>
<td>200 ppm</td>
<td>(The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)</td>
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<tr>
<td>Germany</td>
<td>TRGS 903 Biological limit value</td>
<td>30 mg/l</td>
<td>(Medium: urine - Time: end of shift - Parameter: Methanol)</td>
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<td>Gibraltar</td>
<td>Eight hours mg/m³</td>
<td>260 mg/m³</td>
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</tr>
<tr>
<td>Gibraltar</td>
<td>Eight hours ppm</td>
<td>200 ppm</td>
<td></td>
</tr>
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<td>Greece</td>
<td>OEL TWA (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>OEL STEL (mg/m³)</td>
<td>325 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>OEL STEL (ppm)</td>
<td>250 ppm</td>
<td></td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>250 ppm</td>
<td></td>
</tr>
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<td>Italy</td>
<td>OEL TWA (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Latvia</td>
<td>OEL TWA (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
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<tr>
<td>Latvia</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
<td>6000 ppm</td>
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</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td>325 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (STEL) (ppm)</td>
<td>250 ppm</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
<td>266 mg/m³</td>
<td>(indicative limit value)</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (ppm)</td>
<td>200 ppm</td>
<td>(indicative limit value)</td>
</tr>
<tr>
<td>Switzerland</td>
<td>KZGW (mg/m³)</td>
<td>1040 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>KZGW (ppm)</td>
<td>800 ppm</td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>MAK (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>MAK (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>Grenswaarde TGG 8H (mg/m³)</td>
<td>133 mg/m³</td>
<td></td>
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<tr>
<td>Netherlands</td>
<td>Grenswaarde TGG 8H (ppm)</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>266 mg/m³</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (ppm)</td>
<td>200 ppm</td>
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<tr>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</td>
<td>333 mg/m³</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (ppm)</td>
<td>250 ppm</td>
<td></td>
</tr>
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<td>Czech Republic</td>
<td>Expoziční limity (PEL) (mg/m³)</td>
<td>250 mg/m³</td>
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<tr>
<td>Denmark</td>
<td>Grænseværdie (langvarig) (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdie (langvarig) (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (8h) (mg/m³)</td>
<td>270 mg/m³</td>
<td></td>
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<tr>
<td>Finland</td>
<td>HTP-arvo (8h) (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (15 min) (mg/m³)</td>
<td>330 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (15 min) (ppm)</td>
<td>250 ppm</td>
<td></td>
</tr>
<tr>
<td>Hungary</td>
<td>AK-érték</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (8 hours ref) (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (8 hours ref) (ppm)</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (15 min ref) (mg/m3)</td>
<td>780 mg/m³</td>
<td>(calculated)</td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (15 min ref) (ppm)</td>
<td>600 ppm</td>
<td>(calculated)</td>
</tr>
<tr>
<td>Lithuania</td>
<td>IPRV (mg/m³)</td>
<td>260 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
## 8.2. Exposure controls

**Appropriate engineering controls:**

Provide local exhaust or general room ventilation.

**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.

**Hand protection:**

Neoprene or nitrile rubber gloves

**Eye protection:**

Chemical goggles. Contact lenses should not be worn

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

NIOSH-certified organic vapor (black cartridge) respirator.

## SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>346.53 g/mol</td>
</tr>
</tbody>
</table>
1,4-BIS(TRIMETHOXYSILYL METHYL)BENZENE
Safety Data Sheet

Colour : No data available
Odour : characteristic.
Odour threshold : No data available
Refractive index : 1.47
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : < 0 °C
Freezing point : No data available
Boiling point : 124 - 125 °C @ 0.05 mm Hg
Flash point : > 150 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : < 0.01 mm Hg @ 20°C
Relative vapour density at 20 °C : > 1
Relative density : 1.097
% Volatiles : < 15 %
Solubility : Reacts with water.
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable in sealed containers.

10.3. Possibility of hazardous reactions
Material decomposes slowly in contact with moist air or with water liberating methanol. Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat. Sparks. Open flame.

10.5. Incompatible materials
Oxidizing agent.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (ppm)</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
</tr>
<tr>
<td>ATE CLP (dermal)</td>
</tr>
<tr>
<td>ATE CLP (vapours)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
1,4-BIS(TRIMETHOXY SILYLMETHYL)BENZENE
Safety Data Sheet

STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified
Symptoms/effects after inhalation: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact: May cause skin irritation.
Symptoms/effects after eye contact: Causes serious eye irritation.
Symptoms/effects after ingestion: May be harmful if swallowed.
Chronic symptoms: On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.
Reason for classification: Expert judgment

SECTION 12: Ecological information

12.1. Toxicity
Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: 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])

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential

Methanol (67-56-1)
BCF fish 1 < 10
Log Pow -0.77

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal recommendations: Incinerate. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
UN-No. (ADR): Not applicable
UN-No. (IMDG): Not applicable
UN-No. (IATA): Not applicable
UN-No. (ADN): Not applicable
UN-No. (RID): Not applicable

14.2. UN proper shipping name
Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable
Proper Shipping Name (ADN): Not applicable
Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es)
ADR
Transport hazard class(es) (ADR): Not applicable
1,4-BIS(TRIMETHOXYSiLYLMETHYL)BENZENE
Safety Data Sheet

### IMDG
Transport hazard class(es) (IMDG) : Not applicable

### IATA
Transport hazard class(es) (IATA) : Not applicable

### ADN
Transport hazard class(es) (ADN) : Not applicable

### RID
Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group
- Packing group (ADR) : Not applicable
- Packing group (IMDG) : Not applicable
- Packing group (IATA) : Not applicable
- Packing group (ADN) : Not applicable
- Packing group (RID) : Not applicable

#### 14.5. Environmental hazards
- Dangerous for the environment : No
- Marine pollutant : No
- Other information : No supplementary information available

#### 14.6. Special precautions for user
- **Overland transport**
  No data available
- **Transport by sea**
  No data available
- **Air transport**
  No data available
- **Inland waterway transport**
  No data available
- **Rail transport**
  No data available

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations
No REACH Annex XVII restrictions
1,4-BIS(TRIMETHOXYSiLYLMETHYL)BENZENE is not on the REACH Candidate List
1,4-BIS(TRIMETHOXYSiLYLMETHYL)BENZENE is not on the REACH Annex XIV List
1,4-BIS(TRIMETHOXYSiLYLMETHYL)BENZENE is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

- % Volatiles : < 15 %

##### 15.1.2. National regulations

**Germany**
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
1,4-BIS(TRIMETHOXYSILYLMETHYL)BENZENE
Safety Data Sheet

Netherlands
SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

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:
<table>
<thead>
<tr>
<th>Acute Tox. 3 (Dermal)</th>
<th>Acute toxicity (dermal), Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 3 (Inhalation/vapour)</td>
<td>Acute toxicity (inhalation/vapour) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral), Category 3</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids, Category 2</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>Specific target organ toxicity — Single exposure, Category 1</td>
</tr>
<tr>
<td>STOT SE 2</td>
<td>Specific target organ toxicity — Single exposure, Category 2</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H36</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H37</td>
<td>Causes damage to organs.</td>
</tr>
<tr>
<td>H372</td>
<td>May cause damage to organs.</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II) - Custom

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