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

1.1. **Product identifier**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Substance name</td>
<td>METHYLTRICHLOROSILANE, 99%</td>
</tr>
<tr>
<td>Product code</td>
<td>SIM6520.1</td>
</tr>
<tr>
<td>Formula</td>
<td>CH3Cl3Si</td>
</tr>
<tr>
<td>Synonyms</td>
<td>TRICHLOROMETHYLSILANE</td>
</tr>
<tr>
<td>Chemical family</td>
<td>ORGANOCHLOROSILANE</td>
</tr>
</tbody>
</table>

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

- Use of the substance/mixture: Chemical intermediate
- For research and industrial use only

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

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 (GHS-US)

- Flam. Liq. 2 H225
- Skin Corr. 1B H314
- Eye Dam. 1 H318
- STOT SE 3 H335

Full text of H-phrases: see section 16

2.2. **Label elements**

#### GHS-US labeling

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
<th><img src="image" alt="Hazard Pictogram" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS02</td>
<td>![Pictogram]</td>
</tr>
<tr>
<td>GHS05</td>
<td>![Pictogram]</td>
</tr>
<tr>
<td>GHS07</td>
<td>![Pictogram]</td>
</tr>
</tbody>
</table>

#### Signal word (GHS-US)

- Danger

#### Hazard statements (GHS-US)

- H225 - Highly flammable liquid and vapor
- H314 - Causes severe skin burns and eye damage
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation

#### Precautionary statements (GHS-US)

- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P260 - Do not breathe vapors
- P264 - Wash hands thoroughly after handling
- P210 - Keep away from heat, open flames, sparks. - No smoking
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P271 - Use only outdoors or in a well-ventilated area
- P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
- P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a doctor
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical to extinguish
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Keep in a cool place
P405 - Store locked up
P501 - Dispose of contents/container to licensed waste disposal facility.

2.3. Other hazards
Other hazards not contributing to the classification: NOTE: Material may form a siloxane polymer on the skin, eyes or in the lungs.

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Substance type: Mono-constituent
Name: METHYLTRICHLOROSILANE, 99%
CAS No: 75-79-6
EC no: 200-902-6
EC index no: 014-004-00-5

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
</table>
| Methyltrichlorosilane | (CAS No) 75-79-6  | > 99 | Flam. Liq. 2, H225
                   |                    |    | Skin Corr. 1B, H314
                   |                    |    | Eye Dam. 1, H318
                   |                    |    | STOT SE 3, H335
| Hydrogen chloride  | (CAS No) 7647-01-0 |   | Skin Corr. 1A, H314
                   |                    |    | Eye Dam. 1, H318

3.2. Mixture
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 to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

First-aid measures after skin contact: Wash with plenty of soap and water. Get immediate medical advice/attention.

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 immediate medical advice/attention.

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

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: Causes (severe) skin burns.
Symptoms/injuries after eye contact: Causes serious eye damage.
Symptoms/injuries after ingestion: May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam. Carbon dioxide. Dry chemical. Use of high expansion foam (100:1) is recommended to cover flames.

Unsuitable extinguishing media: Water.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapor. Irritating fumes of hydrogen chloride and organic acid vapors may develop when material is exposed to water or open flame.

Explosion hazard: May form flammable/explosive vapor-air mixture.
5.3. Advice for firefighters

Firefighting instructions : Use only dry media to extinguish flames. Water spray or fog should only be used to knock down hydrogen chloride vapors in areas downwind from the fire. 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

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.

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 Heading 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 vapors are flammable.

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation in process area to prevent accumulation of vapors. Containers must be properly grounded before beginning transfer. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. 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 : Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Keep container tightly closed.


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>Hydrogen chloride (7647-01-0)</th>
<th>USA ACGIH</th>
<th>ACGIH Ceiling (ppm)</th>
<th>2 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>7 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (ppm)</td>
<td>5 ppm</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (Ceiling) (mg/m³)</td>
<td>7 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (Ceiling) (ppm)</td>
<td>5 ppm</td>
<td></td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
<td>50 ppm</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 or face shield. Contact lenses should not be worn.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : NIOSH-certified combination organic vapor/acid gas (yellow cartridge) respirator.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>149.48 g/mol</td>
</tr>
<tr>
<td>Color</td>
<td>Straw</td>
</tr>
<tr>
<td>Odor</td>
<td>Acrid. Similar to hydrogen chloride.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.411</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>-78 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>66.4 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>-15 °C</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>243 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>395 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>100 mm Hg @ 13.5°C</td>
</tr>
<tr>
<td>Critical pressure</td>
<td>39 atm</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>5.16</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.275</td>
</tr>
<tr>
<td>VOC content</td>
<td>&gt; 25 %</td>
</tr>
<tr>
<td>Solubility</td>
<td>Reacts with water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>0.46 cSt</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>7.2 - 11.9 vol % (lower; upper)</td>
</tr>
</tbody>
</table>

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 stored under a dry inert atmosphere.

10.3. Possibility of hazardous reactions

Reacts with water and moisture in air, liberating hydrogen chloride.

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials


10.6. Hazardous decomposition products


SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyltrichlorosilane (75-79-6)</td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>450 ppm/4h</td>
</tr>
<tr>
<td>ATE US (gases)</td>
<td>450.000 ppmV/4h</td>
</tr>
</tbody>
</table>
METHYLTRICHLOROSILANE, 99%
Safety Data Sheet

Hydrogen chloride (7647-01-0)

<table>
<thead>
<tr>
<th></th>
<th>LD50 oral rat</th>
<th>LD50 dermal rabbit</th>
<th>LC50 inhalation rat (mg/l)</th>
<th>ATE US (oral)</th>
<th>ATE US (vapors)</th>
<th>ATE US (dust, mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>238 - 277 mg/kg</td>
<td>&gt; 5010 mg/kg</td>
<td>1.68 mg/l (Exposure time: 1 h)</td>
<td>238.000 mg/kg body weight</td>
<td>1.680 mg/l/4h</td>
<td>1.680 mg/l/4h</td>
</tr>
</tbody>
</table>

- **Skin corrosion/irritation**: Causes severe skin burns and eye damage.
  - Skin Irritation - rabbit: 500 uL: severe irritation effect
- **Serious eye damage/irritation**: Causes severe eye damage.
  - Eye Irritation - rabbit: 5 mg: severe irritation effect
- **Respiratory or skin sensitization**: Not classified
- **Germ cell mutagenicity**: Not classified
- **Carcinogenicity**: Not classified
- **Hydrogen chloride (7647-01-0)**
  - IARC group: 3 - Not classifiable
  - Reproductive toxicity: Not classified
  - Specific target organ toxicity (single exposure): May cause respiratory irritation.
  - Specific target organ toxicity (repeated exposure): Not classified
  - Aspiration hazard: Not classified
  - Symptoms/injuries after inhalation: May cause respiratory irritation.
  - Symptoms/injuries after skin contact: Causes (severe) skin burns.
  - Symptoms/injuries after eye contact: Causes serious eye damage.
  - Symptoms/injuries after ingestion: May be harmful if swallowed.

**SECTION 12: Ecological information**

12.1. **Toxicity**
No additional information available

12.2. **Persistence and degradability**
No additional information available

12.3. **Bioaccumulative potential**

- **Methyltrichlorosilane (75-79-6)**
  - BCF fish 1 (rapid hydrolysis)

12.4. **Mobility in soil**
No additional information available

12.5. **Other adverse effects**
Other adverse effects: This substance may be hazardous to the environment.
Effect on ozone layer: No additional information available
Effect on the global warming: No known ecological damage caused by this product.

**SECTION 13: Disposal considerations**

13.1. **Waste treatment methods**
Waste disposal recommendations: 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 vapors are flammable.
Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

14.1. **UN number**
UN-No.(DOT): 1250
DOT NA no.: UN1250

14.2. **UN proper shipping name**
Proper Shipping Name (DOT): Methyltrichlorosilane
Department of Transportation (DOT) Hazard Classes: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
METHYLTRICHLOROSILANE, 99%
Safety Data Sheet

Hazard labels (DOT) : 3 - Flammable liquid
                    8 - Corrosive

Packing group (DOT) : II - Medium Danger

DOT Packaging Exceptions (49 CFR 173.xxx) : None
DOT Packaging Non Bulk (49 CFR 173.xxx) : 206
DOT Packaging Bulk (49 CFR 173.xxx) : 243

14.3. Additional information
Other information : No supplementary information available.

Transport by sea
DOT Vessel Stowage Location : B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

DOT Vessel Stowage Other : 40 - Stow “clear of living quarters”

Air transport
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 5 L

SECTION 15: Regulatory information
15.1. US Federal regulations

Methyltrichlorosilane (75-79-6)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory
 Listed on the United States SARA Section 302
 SARA Section 302 Threshold Planning Quantity (TPO) : 500

Hydrogen chloride (7647-01-0)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory
 Listed on the United States SARA Section 302
 Listed on United States SARA Section 313
 SARA Section 302 Threshold Planning Quantity (TPO) : 500 (gas only)
 SARA Section 313 - Emission Reporting : 1.0 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

15.2. International regulations

Methyltrichlorosilane (75-79-6)
 Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on the Canadian DSL (Domestic Substances List)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on the Canadian IDL (Ingredient Disclosure List)

Hydrogen chloride (7647-01-0)
 Listed on the AICS (Australian Inventory of Chemical Substances)
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 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Japanese Poisonous and Deleterious Substances Control Law
 Listed on the Canadian IDL (Ingredient Disclosure List)
## METHYLTRICHLOROSILANE, 99%

**Safety Data Sheet**

### 15.3. US State regulations

<table>
<thead>
<tr>
<th>METHYLTRICHLOROSILANE, 99% (75-79-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Developmental Toxicity</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Reproductive Toxicity - Male</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Methytrichlorosilane (75-79-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydrogen chloride (7647-01-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Methytrichlorosilane (75-79-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Sufficient Quantities</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Threshold Quantities</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Toxic Endpoints</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Delaware - Pollutant Discharge Requirements - Reportable Quantities</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Reportable Quantity</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Soil Reportable Concentration - Reporting Category 1</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Soil Reportable Concentration - Reporting Category 2</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Toxics Use Reduction Act</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Michigan - Process Safety Management Highly Hazardous Chemicals</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Minnesota - Hazardous Substance List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New Jersey - Discharge Prevention - List of Hazardous Substances</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New Jersey - Environmental Hazardous Substances List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New Jersey - Special Health Hazards Substances List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS)</td>
</tr>
<tr>
<td><strong>U.S.</strong> - New York - Reporting of Releases Part 597 - List of Hazardous Substances</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Ohio - Accidental Release Prevention - Threshold Quantities</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Ohio - Extremely Hazardous Substances - Threshold Quantities</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Texas - Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Texas - Effects Screening Levels - Short Term</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Wyoming - Process Safety Management - Highly Hazardous Chemicals</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Hydrogen chloride (7647-01-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S.</strong> - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic</td>
</tr>
<tr>
<td><strong>U.S.</strong> - California - Toxic Air Contaminant List (AB 1807, AB 2728)</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Connecticut - Hazardous Air Pollutants - HLVs (30 min)</td>
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<td><strong>U.S.</strong> - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)</td>
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<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Sufficient Quantities</td>
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<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Threshold Quantities</td>
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<td><strong>U.S.</strong> - Delaware - Accidental Release Prevention Regulations - Toxic Endpoints</td>
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<td><strong>U.S.</strong> - Delaware - Pollutant Discharge Requirements - Reportable Quantities</td>
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<td><strong>U.S.</strong> - Florida - Essential Chemicals List</td>
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<td><strong>U.S.</strong> - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</td>
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<td><strong>U.S.</strong> - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)</td>
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<td><strong>U.S.</strong> - Idaho - Occupational Exposure Limits - Ceilings</td>
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<td><strong>U.S.</strong> - Illinois - Toxic Air Contaminants</td>
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<td><strong>U.S.</strong> - Louisiana - Reportable Quantity List for Pollutants</td>
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<td><strong>U.S.</strong> - Maine - Air Pollutants - Hazardous Air Pollutants</td>
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<td><strong>U.S.</strong> - Massachusetts - Allowable Ambient Limits (AALs)</td>
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<td><strong>U.S.</strong> - Massachusetts - Allowable Threshold Concentrations (ATCs)</td>
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<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1</td>
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<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2</td>
</tr>
<tr>
<td><strong>U.S.</strong> - Massachusetts - Oil &amp; Hazardous Material List - Reportable Quantity</td>
</tr>
</tbody>
</table>
METHYLTRICHLOROSILANE, 99%
Safety Data Sheet

Methyltrichlorosilane (75-79-6)

U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Right To Know List
U.S. - Massachusetts - Threshold Effects Exposure Limits (TEIs)
U.S. - Massachusetts - Toxics Use Reduction Act
U.S. - Michigan - Occupational Exposure Limits - Ceilings
U.S. - Michigan - Pollutants Materials List
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - Ceilings
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
U.S. - New Jersey - Environmental Hazardous Substances List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS)
U.S. - New York - Occupational Exposure Limits - Ceilings
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
U.S. - North Carolina - Control of Toxic Air Pollutants
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour
U.S. - Ohio - Accidental Release Prevention - Threshold Quantities
U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities
U.S. - Oregon - Permissible Exposure Limits - Ceilings
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual
U.S. - South Carolina - Toxic Air Pollutants - Maximum Allowable Concentrations
U.S. - South Carolina - Toxic Air Pollutants - Pollutant Categories
U.S. - Tennessee - Occupational Exposure Limits - Ceilings
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Vermont - Permissible Exposure Limits - Ceilings
U.S. - Washington - Permissible Exposure Limits - Ceilings
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet
U.S. - Wyoming - Process Safety Management - Highly Hazardous Chemicals

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; OECD: The Organisation for Economic Co-operation and Development.

Full text of H-phrases:

Eye Dam. 1: Serious eye damage/eye irritation Category 1
Flam. Liq. 2: Flammable liquids Category 2
Skin Corr. 1A: Skin corrosion/irritation Category 1A
Skin Corr. 1B: Skin corrosion/irritation Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) Category 3
H225: Highly flammable liquid and vapor
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage
H335: May cause respiratory irritation

HMIS III Rating

Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability: 4 Severe Hazard

11/25/2014 EN (English US) SDS ID: SIM6520.1
Physical : 2 Moderate Hazard

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SDS US (GHS HazCom 2012) - Custom
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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