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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Subsstance name</th>
<th>Product code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>3-AMINOPROPYLTRIETHOXYSILANE 99+%</td>
<td>SIA0610.1</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)
Acute Tox. 4 (Oral) H302
Skin Corr. 1B H314
Eye Dam. 1 H318
STOT SE 3 H335

Full text of H-phrases: see section 16

2.2. Labeling

GHS-US labeling

Signal word (GHS-US) : Danger
Hazard statements (GHS-US)
H302 - Harmful if swallowed
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
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P301+P312 - If swallowed: Call a doctor if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P335 - 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
P330 - Rinse mouth
P363 - Wash contaminated clothing before reuse
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
3-AMINOPROPYLTRIETHOXYSILANE 99+%  
Safety Data Sheet

2.3. Other hazards
Other hazards not contributing to the classification:

The hydrolysis product of this compound is ethanol. Overexposure to ethanol by skin absorption, inhalation or ingestion may have a narcotic effect (headache, nausea, drowsiness). Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis, CNS depression and death due to respiratory arrest. This product contains ethanol which is classified as a carcinogen by IARC in alcoholic beverages.

2.4. Unknown acute toxicity (GHS)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Substance</th>
<th>Substance type</th>
<th>Name</th>
<th>CAS No</th>
<th>EC no</th>
<th>EC index no</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Aminopropyltriethoxysilane</td>
<td>Mono-constituent</td>
<td>(CAS No) 919-30-2</td>
<td>&gt; 99</td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>Ethanol</td>
<td></td>
<td>(CAS No) 64-17-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flam. Liq. 2, H225</td>
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<td></td>
<td></td>
<td></td>
<td>Carc. 1A, H350</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
</tbody>
</table>

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 victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

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. 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. Overexposure may cause: Coughing, Headache. Nausea.

Symptoms/injuries after skin contact:
Causes burns. Primary irritation index: 6.50.

Symptoms/injuries after eye contact:
Causes serious eye damage.

Symptoms/injuries after ingestion:
Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms:
On contact with water this compound liberates ethanol 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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable 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 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 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 vapor and mist. Provide good ventilation in process area to prevent accumulation of vapors.
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.
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>Ethanol (64-17-5)</th>
<th>USA ACGIH</th>
<th>ACGIH STEL (ppm)</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
<td>3300 ppm (10% LEL)</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 - amine gas (brown 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>221.37 g/mol</td>
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<tr>
<td>Color</td>
<td>Straw.</td>
</tr>
<tr>
<td>Odor</td>
<td>Amine. Ammonia-like.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.4225</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
</tbody>
</table>
3-AMINOPROPYLTRIETHOXYSILANE 99+%  
Safety Data Sheet

### Relative evaporation rate (butyl acetate=1)
- < 1

- Melting point: No data available
- Freezing point: < 0 °C
- Boiling point: 122 - 123 °C @ 30 mm Hg
- Flash point: 104 °C
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapor pressure: 10 mm Hg @ 100 °C
- Relative vapor density at 20 °C: > 1
- Relative density: 0.951
- VOC content: < 40 %
- Solubility: Reacts with water.
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic: 1.6 cSt
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidizing properties: No data available
- Explosive limits: No data available

### Section 10: Stability and reactivity

#### 10.1. Reactivity
No additional information available

#### 10.2. Chemical stability
Stable when stored in sealed containers.

#### 10.3. Possibility of hazardous reactions
Reacts with water and moisture in air, liberating ethanol.

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

#### 10.5. Incompatible materials
- Acids.
- Alcohols.
- Moisture.
- Oxidizing agent.
- Peroxides.
- Water.

#### 10.6. Hazardous decomposition products
- Ethanol.
- Organic acid vapors.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects
**Acute toxicity**
- Oral: Harmful if swallowed.

<table>
<thead>
<tr>
<th>3-AMINOPROPYLTRIETHOXYSILANE 99+% (919-30-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3-Aminopropyltriethoxysilane (919-30-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>ATE US (oral)</td>
</tr>
</tbody>
</table>

**Ethanol (64-17-5)**

<table>
<thead>
<tr>
<th>LC50 inhalation rat (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>124.7 mg/l/4h</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
- Causes severe skin burns and eye damage.

**Serious eye damage/irritation**
- Causes serious eye damage.

**Respiratory or skin sensitization**
- Not classified

**Germ cell mutagenicity**
- Not classified

**Carcinogenicity**
- Not classified

#### Ethanol (64-17-5)

**IARC group**
- 1 - Carcinogenic to humans

**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. Overexposure may cause: Coughing, Headache. Nausea.
Symptoms/injuries after skin contact : Causes burns. Primary irritation index: 6.50.
Symptoms/injuries after eye contact : Causes serious eye damage.
Symptoms/injuries after ingestion : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

Ethanol (64-17-5)
LC50 fish 1 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2 > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

3-Aminopropyltriethoxysilane (919-30-2)
Persistence and degradability : Not established.

12.3. Bioaccumulative potential

3-Aminopropyltriethoxysilane (919-30-2)
Bioaccumulative potential : Not established.

Ethanol (64-17-5)
Log Pow : -0.32

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 : May be incinerated. Dispose of contents/container to licensed waste disposal facility. 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
UN-No.(DOT) : 3267
DOT NA no. : UN3267

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Corrosive liquid, basic, organic, n.o.s. (3-AMINOPROPYLTRIETHOXYSILANE)
Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT) : 8 - Corrosive

DOT Symbols : G - Identifies PSN requiring a technical name
Packing group (DOT) : III - Minor Danger
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
3-AMINOPROPYLTRIETHOXYSILANE 99+%  
Safety Data Sheet

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 241

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

Transport by sea
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 40 - Stow “clear of living quarters”, 52 - Stow “separated from” acids

Air transport
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

SECTION 15: Regulatory information

15.1. US Federal regulations
3-Aminopropyltriethoxysilane (919-30-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Ethanol (64-17-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
3-Aminopropyltriethoxysilane (919-30-2)
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)

Ethanol (64-17-5)
Listed on IARC (International Agency for Research on Cancer)
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)

15.3. US State regulations
3-AMINOPROPYLTRIETHOXYSILANE 99+% (919-30-2)
U.S. - California - Proposition 65 - Carcinogens List : No
U.S. - California - Proposition 65 - Developmental Toxicity : No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female : No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male : No

3-Aminopropyltriethoxysilane (919-30-2)
U.S. - California - Proposition 65 - Carcinogens List
U.S. - California - Proposition 65 - Developmental Toxicity
U.S. - California - Proposition 65 - Reproductive Toxicity - Female
U.S. - California - Proposition 65 - Reproductive Toxicity - Male
No significance risk level (NSRL)

Ethanol (64-17-5)
U.S. - California - Proposition 65 - Carcinogens List
U.S. - California - Proposition 65 - Developmental Toxicity
U.S. - California - Proposition 65 - Reproductive Toxicity - Female
U.S. - California - Proposition 65 - Reproductive Toxicity - Male
No significance risk level (NSRL)
3-AMINOPROPYLTRIETHOXYSILANE 99+%  
Safety Data Sheet

### 3-Aminopropyltriethoxysilane (919-30-2)

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>Yes</th>
<th>No</th>
<th>No</th>
</tr>
</thead>
</table>

### 3-Aminopropyltriethoxysilane (919-30-2)

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas</td>
<td>Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td>Texas</td>
<td>Effects Screening Levels - Short Term</td>
</tr>
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</table>

### Ethanol (64-17-5)

<table>
<thead>
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<th>U.S.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (30 min)</td>
</tr>
<tr>
<td>Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (8 hr)</td>
</tr>
<tr>
<td>Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</td>
</tr>
<tr>
<td>Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)</td>
</tr>
<tr>
<td>Idaho</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>Maine</td>
<td>Chemicals of High Concern</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Allowable Ambient Limits (AALs)</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Allowable Threshold Concentrations (ATCs)</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Oil &amp; Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2</td>
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<td>Massachusetts</td>
<td>Oil &amp; Hazardous Material List - Reportable Quantity</td>
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<td>Oil &amp; Hazardous Material List - Soil Reportable Concentration - Reporting Category 1</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Oil &amp; Hazardous Material List - Soil Reportable Concentration - Reporting Category 2</td>
</tr>
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<td>Massachusetts</td>
<td>Right To Know List</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Threshold Effects Exposure Limits (TEEs)</td>
</tr>
<tr>
<td>Michigan</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Chemicals of High Concern</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Hazardous Substance List</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Permissible Exposure Limits - TWAs</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Special Health Hazards Substances List</td>
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<td>New York</td>
<td>Occupational Exposure Limits - TWAs</td>
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<td>North Dakota</td>
<td>Air Pollutants - Guideline Concentrations - 1-Hour</td>
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<tr>
<td>Oregon</td>
<td>Permissible Exposure Limits - TWAs</td>
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<tr>
<td>Pennsylvania</td>
<td>RTK (Right to Know) List</td>
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<td>Tennessee</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>Texas</td>
<td>Effects Screening Levels - Long Term</td>
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<tr>
<td>Texas</td>
<td>Effects Screening Levels - Short Term</td>
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<tr>
<td>Vermont</td>
<td>Permissible Exposure Limits - TWAs</td>
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<td>Washington</td>
<td>Permissible Exposure Limits - STELs</td>
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<td>Washington</td>
<td>Permissible Exposure Limits - TWAs</td>
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### SECTION 16: Other information

**Abbreviations and acronyms:**

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<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ND</td>
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<tr>
<td>NA</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>LD</td>
<td>Lethal Dose</td>
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<tr>
<td>LC</td>
<td>Lethal Concentration</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimates</td>
</tr>
<tr>
<td>H</td>
<td>hour</td>
</tr>
<tr>
<td>°C</td>
<td>°C unless otherwise stated</td>
</tr>
<tr>
<td>mm</td>
<td>millimeters Hg, torr</td>
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<tr>
<td>PEL</td>
<td>permissible exposure level</td>
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<tr>
<td>TWA</td>
<td>time weighted average</td>
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<tr>
<td>TLV</td>
<td>threshold limit value</td>
</tr>
<tr>
<td>TG</td>
<td>Test Guideline</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Material Information System</td>
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<tr>
<td>CAS No.</td>
<td>Chemical Abstract Service Program</td>
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<tr>
<td>EC No.</td>
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<td>EINECS</td>
<td>European Commission Index Number</td>
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<td>OECD</td>
<td>The Organisation for Economic Co-operation and Development</td>
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**Permissible Exposure Limits:**

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<tr>
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<tbody>
<tr>
<td></td>
<td>TWAs (8 hr)</td>
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<td></td>
<td>STELs</td>
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**Occupational Exposure Limits:**

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<tbody>
<tr>
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<td>AALs</td>
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**Regulated Toxic Air Pollutants:**

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**Effects Screening Levels:**

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<td>Hour</td>
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**Ambient Air Levels (AALs):**

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<tbody>
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**Chemicals of High Concern:**

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**Groundwater Reportable Concentration:**

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**Regulated Toxic Substances and Hazardous Air Pollutants:**

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**Threshold Effects Exposure Limits (TELs):**

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</thead>
<tbody>
<tr>
<td></td>
<td>24-Hour</td>
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</table>

**Chemistry:**

- Acute Toxicity (Oral) Category 4
- Carcinogenicity Category 1A
- Serious eye damage/eye irritation Category 1
- Flammable liquids Category 2
- Skin corrosion/irritation Category 1B
- Specific target organ toxicity (single exposure) Category 3
- Highly flammable liquid and vapor
- Harmful if swallowed
- Causes severe skin burns and eye damage
- Causes serious eye damage
- May cause respiratory irritation
- May cause cancer

**Full text of H-phrases:**

- Acute Tox. 4 (Oral)
- Carc. 1A
- Eye Dam. 1
- Flam. Liq. 2
- Skin Corr. 1B
- STOT SE 3
- H225
- H302
- H314
- H318
- H335
- H350
3-AMINOPROPYLTRIETHOXYSILANE 99+%  
Safety Data Sheet

HMIS III Rating
Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability: 1 Slight Hazard
Physical: 1 Slight Hazard

Prepared by safety and environmental affairs.

Date of issue: 01/07/2015 Version: 1.0

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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