Safety Data Sheet
TRIMETHOXYSILANE ALDEHYDE-KEEP REFRIGERATED AND UNDER NITROGEN

Section 1. Identification

Product Identifier
TRIMETHOXYSILANE ALDEHYDE-KEEP REFRIGERATED AND UNDER NITROGEN

Synonyms
PSX1050; 4-Trimethoxysilybutylaldehyde

Manufacturer Stock Numbers
N/A

Recommended use
N/A

Uses advised against
N/A

Manufacturer Contact
Address
UCT Specialties, Inc
2731 Bartram Road
Bristol, PENNSYLVANIA, 19007
US

Phone
(215) 781-9255

Emergency Phone
(800) 424-9300

Fax
Chemtrec
N/A

CHEMTREC
Emergency Contact
International - 703-527-3887

Email
wwessell@unitedchem.com

Website
www.unitedchem.com

Section 2. Hazards Identification

Classification
EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 3
OXIDIZING LIQUIDS - Category 3
SKIN CORROSION/IRRITATION - Category 2

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

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4-Trimethoxyisilybutyaldehyde</td>
<td>Unknown</td>
<td>0%</td>
</tr>
</tbody>
</table>

Disposal: N/A

Ingredients of unknown toxicity: 0%

Hazard Statements
- Causes eye irritation
- Causes skin irritation
- Flammable liquid and vapor
- May intensify fire; oxidizer

Precautionary Statements

Response
- If eye irritation persists: Get medical advice/attention.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation occurs: Get medical advice/attention.
  Take off contaminated clothing and wash it before reuse.

Prevention
- Keep away from heat.
- Keep container tightly closed.
- Keep/Store away from clothing and other combustible materials.
- Take precautionary measures against static discharge.
- Use only non-sparking tools.

Storage
- Store in a well-ventilated place. Keep cool.

Section 4. First-Aid Measures

Eye
- Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

Skin
- Immediately flush with large amounts of water. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention.

Inhalation
- Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion
- Not considered route of entry
Section 5. Fire Fighting Measures

Suitable Extinguishing Media
- water spray, CO₂, foam, dry chemical
- Explosion hazard in fire situation. Vapor heavier than air and may travel considerable distance to a source of ignition and flash back.
  - Firefighters must wear positive pressure, self-contained breathing apparatus and full protective clothing

Unsuitable Extinguishing Media
- N/A

Section 6. Accidental Release Measures

Clean-up
- Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Evacuate
- If this material is released into a work area, evacuate the area immediately.

Disposal
- Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Section 7. Handling and Storage

Storage
- Store in a tightly closed container. Store in a cool dry place.

Handling
- Use with adequate ventilation.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Trimethoxysilybutyaldehyde</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Personal Protective Equipment
- Goggles, Gloves

Engineering controls
- If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
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<tbody>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Density lbs/Gal</td>
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</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>FP Method</td>
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<tr>
<td>Ph</td>
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</tr>
<tr>
<td>Melting Point</td>
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</tr>
<tr>
<td>Boiling Point</td>
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<tr>
<td>Boiling Range</td>
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<td>LEL</td>
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<tr>
<td>UEL</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Decomposition Temperature</td>
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</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity

Polymerization: Hazardous polymerization will not occur

Conditions to avoid: Acids, water, and oxidizing agents

Stability: This compound is stable at ambient conditions under blanket of nitrogen.

Section 11. Toxicological Information

Carcinogen: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP or OSHA

Section 12. Ecological Information

No: No information is available
Section 13. Disposal

Disposal Incineration is recommended. Treat or dispose of waste material in accordance to all local, state/provincial and national requirements. Containers of this material may be hazardous when empty since they retain product residues (liquid). Observe all warnings and precautions for this material.

Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>1129</th>
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<tbody>
<tr>
<td>UN Proper Shipping Name</td>
<td>Butyraldehyde</td>
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<td>DOT Classification</td>
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<tr>
<td>Packing Group</td>
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Section 15. Regulatory Information

Regulatory This product is not listed on the TSCA Inventory

Section 16. Other Information

Revision Date 4/10/2015

No Data Available