SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier
Product Description: Tris(trimethylsilyl)silane
Cat No. 291060000; 291060025; 291060250
Synonyms 1,1,1,3,3,3-Hexamethyl-2-trimethylsilyltrisilane

Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet
Company Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, Belgium
E-mail address begel.sdsdesk@thermofisher.com

Emergency Telephone Number
For information in the US, call: 001-800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number, US: 001-201-796-7100
CHEMTREC Phone Number, US: 001-800-424-9300
CHEMTREC Phone Number, Europe: 001-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
REGULATION (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>2</td>
</tr>
<tr>
<td>Specific target organ toxicity - (single exposure)</td>
<td>3</td>
</tr>
<tr>
<td>Flammable liquids.</td>
<td>3</td>
</tr>
</tbody>
</table>

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16
Symbol(s) Xi - Irritant
R-phrase(s) R10 - Flammable
Risk Combination Phrases R38/37/38 - Irritating to eyes, respiratory system and skin
SECTION 2. HAZARDS IDENTIFICATION

Label Elements

Signal Word Warning

Hazard Statements
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H226 - Flammable liquid and vapor

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

Other Hazards
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
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<tr>
<td>Tris(trimethylsilyl)silane</td>
<td></td>
<td>&gt;95</td>
<td>1873-77-4</td>
<td>R10; XI;R36/37/38</td>
<td>Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)</td>
<td>-</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16
SECTION 4. FIRST AID MEASURES

Description of first aid measures

Eye Contact
Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention. Take off contaminated clothing and shoes immediately.

Ingestion
Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Call a physician immediately. If possible drink milk afterwards.

Inhalation
Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

Notes to Physician
Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO₂). Dry chemical. alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons
No information available.

Special hazards arising from the substance or mixture
Flammable.

Advice for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation

Environmental precautions
Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Sweep up or vacuum up spillage and collect in suitable container for disposal.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep containers tightly closed in a dry, cool and well-ventilated place. Flammables area. Store under an inert atmosphere.

**Specific End Uses**

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**  
No information available.

**Predicted No Effect Concentration (PNEC)**  
No information available.

**Exposure controls**

**Engineering measures**

Ensure adequate ventilation, especially in confined areas Ventilation systems

**Personal protective equipment**

**Eye Protection**  
Safety glasses with side-shields Goggles

**Hand Protection**  
Protective gloves

**Skin and body protection**  
Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection**  
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State**

Liquid
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow</td>
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<tr>
<td>odor</td>
<td>odorless</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>8.57</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>82 - 84°C / 179.6 - 183.2°F@ 12 mmHg</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>55°C / 131°F</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
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<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
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<tr>
<td>Specific Gravity</td>
<td>0.800</td>
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<tr>
<td>Molecular Formula</td>
<td>C9 H28 Si4</td>
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<tr>
<td>Molecular Weight</td>
<td>248.66</td>
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</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Moisture sensitive. Air sensitive.

Possibility of Hazardous Reactions

Hazardous Polymerization: No information available.
Hazardous Reactions: No information available.

Conditions to Avoid

Incompatible products, Exposure to moist air or water, Exposure to air.

Incompatible Materials

Bases, Oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO2). Silicon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Product Information: No acute toxicity information is available for this product

Component Information
### SECTION 11. TOXICOLOGICAL INFORMATION

| Chronic Toxicity |  
| Carcinogenicity | There are no known carcinogenic chemicals in this product  
| Sensitization | No information available.  
| Mutagenic Effects | No information available.  
| Reproductive Effects | No information available.  
| Developmental Effects | No information available.  
| Target Organs | No information available.  
| Other Adverse Effects | The toxicological properties have not been fully investigated.  
| Endocrine Disruptor Information | None known  

### SECTION 12. ECOLOGICAL INFORMATION

| Toxicity |  
| Ecotoxicity effects | Do not empty into drains  
| Persistence and degradability |  
| No information available |  
| Bioaccumulative potential | No information available.  
| Mobility in soil | No information available.  
| Results of PBT and vPvB assessment |  
| Other adverse effects | No information available  

### SECTION 13. DISPOSAL CONSIDERATIONS

| Waste treatment methods |  
| Waste from Residues / Unused Products | Dispose of in accordance with local regulations  
| Contaminated Packaging | Empty containers should be taken to local recyclers for disposal  

ACR29106
SECTION 14. TRANSPORT INFORMATION

IMDG/IMO

<table>
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<tr>
<th>UN-No</th>
<th>1993</th>
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<tr>
<td>Packing Group</td>
<td>III</td>
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<tr>
<td>Proper Shipping Name</td>
<td>Flammable liquid, n.o.s.</td>
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ADR

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<th>UN-No</th>
<th>1993</th>
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<td>Proper Shipping Name</td>
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IATA

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<td>FLAMMABLE LIQUID, N.O.S.*</td>
</tr>
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</table>

SECTION 15. REGULATORY INFORMATION

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

International Inventories

Legend

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **CHINA** - China Inventory of Existing Chemical Substances
- **AICS** - Inventory of Chemical Substances
- **KECL** - Existing and Evaluated Chemical Substances

Chemical Safety Assessment
SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R10 - Flammable
R36/37/38 - Irritating to eyes, respiratory system and skin

Revision Date 08-May-2012
Revision Summary (M)SDS sections updated, 2, 3, 7, 9, 16.
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet