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

Product Identifier
Product Description: Azidotrimethylsilane
Cat No. 167930000; 167930100; 167930500
Synonyms Trimethylsilyl azide

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>Acute oral toxicity</td>
<td>3</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>3</td>
</tr>
<tr>
<td>Acute Inhalation Toxicity - Dusts and Mists</td>
<td>3</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>1</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>1</td>
</tr>
<tr>
<td>Flammable liquids.</td>
<td>2</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)
F - Highly flammable
T - Toxic
N - Dangerous for the environment
R11 - Highly flammable
R29 - Contact with water liberates toxic gas

R-phrase(s)
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
SECTION 2. HAZARDS IDENTIFICATION

Label Elements

Signal Word Danger

Hazard Statements
H301 - Toxic if swallowed
H410 - Very toxic to aquatic life with long lasting effects
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H225 - Highly flammable liquid and vapor
EUH029 - Contact with water liberates toxic gas

Precautionary Statements - EU (§28, 1272/2008)
P301 + P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P273 - Avoid release to the environment
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Other Hazards
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

|-----------|--------|----------|---------|---------------------------|-----------------------------------------------|-----------|

ACR16793
### 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. Immediate medical attention is required.

- **Ingestion**: Call a physician immediately. Clean mouth with water.

- **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**: Carbon dioxide (CO₂). Dry chemical. Chemical foam.

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

- **Special hazards arising from the substance or mixture**: Flammable. Contact with water liberates toxic gas. Water reactive. Produce flammable gases on contact with water.

#### 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. Wear self-contained breathing apparatus and protective suit. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe dust. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation. Use explosion-proof equipment. Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities


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
Use explosion-proof electrical/ventilating/lighting/equipment

Personal protective equipment
Goggles
Protective gloves
Wear appropriate protective gloves and clothing to prevent skin exposure

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

ACR16793
Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls
No information available.

SECTION 9. 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</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>95 - 96°C / 203 - 204.8°F@ 175 mmHg</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>6°C / 42.8°F</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>300°C / 572°F</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>decomposes</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.876</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C3 H9 N3 Si</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>115.21</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability
Decomposes in contact with water. Moisture sensitive.

Possibility of Hazardous Reactions

Hazardous Polymerization
No information available.

Hazardous Reactions
No information available.

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition, Incompatible products, Exposure to moist air or water.

Incompatible Materials

Acids, Strong oxidizing agents.

Hazardous Decomposition Products


SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Product Information
No acute toxicity information is available for this product.
SECTION 11. TOXICOLOGICAL INFORMATION

Component Information

**Chronic Toxicity**
- There are no known carcinogenic chemicals in this product

**Carcinogenicity**
- No information available.

**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**
- Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**Persistence and degradability**
- No information available

**Bioaccumulative potential**
- No information available.

**Mobility in soil**
- No information available.

**Results of PBT and vPvB assessment**
- No information available

**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

SECTION 14. TRANSPORT INFORMATION

**IMDG/IMO**

- **UN-No**: 1992
- **Hazard Class**: 3
- **Subsidiary Hazard Class**: 6.1
- **Packing Group**: II
- **Proper Shipping Name**: FLAMMABLE LIQUID, TOXIC, N.O.S.
SECTION 14. TRANSPORT INFORMATION

ADR
- UN-No: 1992
- Hazard Class: 3
- Subsidiary Hazard Class: 6.1
- Packing Group: II
- Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.

IATA
- UN-No: 1992
- Hazard Class: 3
- Subsidiary Hazard Class: 6.1
- Packing Group: II
- Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.*

SECTION 15. REGULATORY INFORMATION

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

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>NLP</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>PICCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>AICS</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silane, azidotrimethyl-</td>
<td>225-078-5</td>
<td>-</td>
<td></td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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
IECSC - 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

R11 - Highly flammable
R29 - Contact with water liberates toxic gas
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
SECTION 16. OTHER INFORMATION

Revision Date 18-Feb-2013
Revision Summary
Reason for revision (M)SDS sections updated, 2.

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