

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Propyltriacetoxysilane
Product Number: SC-7970
CAS No. 17865-07-5

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

Relevant applications identified
For industrial use

1.3 Details of the supplier of the safety data sheet

Manufactured/Supplied by Silsource Inc.
ADDRESS: 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6

CHEMICAL EMERGENCY ONLY (PHONE): CANUTEC (613) 996-6666 [24 Hr.] CHEMTREC (800) 424-9300

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Skin corrosion/irritation Category 1B
Serious eye damage/irritation Category 1
Environmental hazards Unclassified

2.2 Label elements



Pictogram

Signal Word: Danger

Hazard Statement(s)

H314 Causes severe skin burns and eye damage.

Precautionary Statement

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280 Wear protective gloves/ eye protection/ face protection.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P240 Ground/connected containers and receiving equipment.

Response

P301+P312 If swallowed: Call a Poison center or doctor if you feel unwell.
P302+P352 If on skin, wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see ... on this label).
P330 Rinse mouth..
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P337 + P313 IF eye irritation persists: Get medical advice/attention
P363 Wash contaminated clothing before reuse.
P391 Collect spillage. Hazardous to the aquatic environment.

Storage

P405 Store locked up.

Waste Disposal

P501 Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

No Data Available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: PTAS

| Chemical Name | CAS# | Concentration |
|------------------------|------------|---------------|
| Propyltriacetoxysilane | 17865-07-5 | ≥ 90.0% |
| Acetic Acid | 64-19-7 | ≤ 5% |

| | | |
|-------|---|------|
| Dimer | - | ≤ 5% |
|-------|---|------|

SECTION 4: FIRST AID MEASURES

4.1 General advice

Remove the victim to a safe area, seek for a doctor and present the doctor this Safety Data Sheet.

4.2 If inhaled

Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

4.3 If skin contact

Immediately remove/take off all contaminated clothing. Wash gently with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention.

4.4 If in eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation: get medical advice/attention.

4.5 If swallowed

If you feel unwell, get medical advice/attention. Gargle.

4.6 Protection of emergency responder

Rescuers need to wear personal protective equipment, such as rubber gloves and air-tight goggles.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Flash Point

Flash point is about >96°C (Test method: closed cup).

5.2 Suitable extinguishing media

Use extinguishing powder or alcohol-resistant foam on huge fires, carbon dioxide, extinguishing powder and sand on small fires. Water can be used to cool the fire-effected containers

5.3 Special hazards arising from the substance or mixture

Be careful. Toxic fume[s] may decompose during burning or at high temperatures.

5.4 Advice for firefighters

Firefighters must use standard protective equipment. Decide whether to evacuate or isolate the area based on local emergency plans. Keep cool by spraying water on containers exposed to the fire.

5.5 Further information

Always wear personal protective equipment when fighting fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid breathing vapors, mist or gas. Ensure there is adequate ventilation.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Absorb with inert adsorbent and treated as hazardous waste. Pump up into suitable containers.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Process in well-ventilated areas. The product is supplied with air or self-contained breathing apparatus to provide ventilation. Do not into the eyes. Avoid contact with skin. Avoid breathing in steam, mist, dust or smoke. Keep container sealed. Not to be taken orally. Remove contaminated clothing immediately. Develop good industrial hygiene habits, must clean before eating, drinking or smoking. Take fire precautions.

7.2 Conditions for safe storage, including any incompatibilities

Stored in the shade. Keep container closed, stored in a dry place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Maximum allowable concentration

| Component | CAS# | Maximum allowable concentration |
|------------------------|------------|---|
| Propyltriacetoxysilane | 17865-07-5 | See acetic acid comments. |
| Acetic acid | 64-19-7 | CHINA: TWA 10 mg/m ³ . STEL 20 mg/m ³ . OSHA PEL: TWA 10 ppm ACGIH TLV: TWA 10 ppm, STEL 15 ppm |

8.2 Exposure Controls

8.2.1 Personal protection

Respiratory protection: Must wear approved respirator, according to local and government regulations
Hand protection: Wear protective gloves
Eye protection: Wear safety goggles, wear mask if necessary.
Skin and body protection: Wear protective suit, wear protective boots if necessary.

8.2.2 Environmental protection

Local Ventilation: Recommended
General Ventilation: Recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--------------------------|-------------------------------|
| Physical state/form | liquid |
| Colour | light yellowish to colourless |
| pH | 4.5 (25°C) |
| Boiling point | No data available |
| Melting point | No data available |
| Flash point | >96°C(tag closed cup) |
| Molecular Weight | 248 |
| Refractive index nD25 | 1.4300 |
| Ignition temperature | No data available |
| Oxidizing properties | No |
| Upper explosion limit | No data available |
| Lower explosion limit | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Density/relative density | 1.112g/cm ³ (25°C) |
| Solubility | Reacts with water |
| Heat of combustion | No data available |
| Viscosity(dynamic) | No data available |

SECTION 10: STABILITY AND REACTIVITY

10.1 General information If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Chemical stability: Moisture sensitive.

10.3 Reactivity

Conditions to avoid: Incompatible materials, source of ignition, excess heat, exposure to moist air.
Hazardous Decomposition Products: Carbon oxides and incomplete burned carbon compounds, formaldehyde, silica
Hazardous polymerization: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Route of Infection: Inhalation, skin contact and accidental ingestion.

11.2 Signs and Symptoms of Overexposure: Harmful if inhaled. Maybe harmful if swallowed. Cause serious eye damage. May cause an allergic skin reaction.

| Chemical Name | CAS # | LD50 (Oral) | LD50 (Dermal) | LC50 (Inhalation) |
|------------------------|------------|-------------|---------------|-------------------|
| propyltriacetoxysilane | 17865-07-5 | - | - | - |

Potential health effects

| | |
|-------------------|--|
| Inhalation | May be harmful by inhalation. May cause respiratory irritation. |
| Ingestion | Harmful if swallowed. |
| Skin | May be harmful if absorbed through skin. Causes skin irritation. |
| Eyes | Causes serious eye irritation. |

11.4 Chronic Toxicity The toxicity of organic silicon compound is normally low.

11.5 Other Health Hazard Information: No data available

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| 12.1 Ecotoxicity: | Fish: no data available Water louse and other aquatic invertebrates: no data available Algae: no data available |
| 12.2 Residual/degradability: | This product hydrolyses in water or moist air, releasing acetic acid and silicone compounds. |
| 12.3 Bioaccumulative potential: | No data available |
| 12.4 Mobility in Soil: | No data available |
| 12.5 Additional Environmental Information: | The environmental hazard can not be excluded even after special treatment or disposal. |

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|----------------------------|--|
| Product disposal: | Dispose of in accordance with local regulations. |
| Packaging disposal: | Dispose of in accordance with local regulations. |

SECTION 14: TRANSPORT INFORMATION

| | |
|------------------------------|--|
| 14.1 Class: | Class 8 hazardous substances -- Corrosive liquid |
| UN Number: | UN 3265 |
| Packing group: | II |
| Proper Shipping Name: | Corrosive liquid, acidic, organic, n.o.s. |
| Technical name: | Propyltriacetoxysilane |

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

Chemical Safety Assessment no data available.

SECTION 16: OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use.

This SDS was prepared sincerely on the basis of the information we could obtain, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

This SDS is compliant with the GHS requirements outlined at http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html

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