

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**
**1.1 Product identifier**

Product Number: PROSILANE™ SC-5131  
 Chemical name: METHYLTRIMETHOXYSILANE  
 CAS No.: 1185-55-3

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

For industrial use

**1.3 Details of the supplier of the safety data sheet**

Manufactured/Supplied by Silsource Inc.  
 ADDRESS: 240 Mary Street, Port Perry, ON L9L 1B7

**CHEMICAL EMERGENCY ONLY (PHONE):** CANUTEC [24 Hr.] CANADA 888-226-8832 or 613-996-6666  
 CHEMTREC [24 Hr.] USA 1-800-262-8200

**SECTION 2: HAZARD IDENTIFICATION**
**2.1 GHS Classification**

**Classification of the substance or mixture**

**Classification according to (REGULATION (EC) No 1272/2008)[CLP]**

Flammable liquids (Category 2)

Acute toxicity, Inhalation (Category 1)

Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended. Highly flammable.

**GHS Label elements**

Pictogram


**Signal Word:**

**Danger**

Hazard statement(s)

H225

Highly flammable liquid and vapor.

H319

Causes serious eye irritation. Precautionary statement(s)

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.

Hazard symbol(s)

F

Highly flammable

R-phrases(s)

R11

Highly flammable.

S-phrases(s)

S16

Keep away from sources of ignition - No smoking.

**2.1 Other hazards**

None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**
**3.1 Synonyms:**

Methyltrimethoxysilane

**3.2 Substances**

Component	Classification	Concentration
Trimethoxy(methyl)silane		
CAS-No. 1185-55-3	Flam. Liq. 2; H225 F, R11	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

###### If skin contact

Wash off with soap and plenty of water. Consult a physician.

###### If in eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

###### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### SECTION 5: FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing media

###### Suitable extinguishing media:

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

##### 5.2 Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### 5.3 Further information

no data available

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors, accumulating to form explosive concentrations. Vapors can accumulate in low areas.

##### 6.2 Environmental preventive measures

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

##### 6.3 Methods and materials for restraining and cleaning up the spills

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

#### SECTION 7: HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

##### 7.2 Precautions for storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

Moisture sensitive.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Personal protective equipment

###### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

###### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer

surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****Appearance**

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	no data available
<b>Odor Threshold</b>	no data available
<b>pH</b>	no data available
<b>Melting/freezing point</b>	no data available
<b>Initial boiling point and boiling range</b>	102 - 104°C - lit.
<b>Flash point</b>	9°C - closed cup
<b>Evaporation rate</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Upper/lower flammability or explosive limits</b>	no data available
<b>Vapour pressure</b>	no data available
<b>Vapour density</b>	no data available
<b>Relative density</b>	0.955 g/cm <sup>3</sup> at 25°C
<b>Water solubility</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available

**9.2 Other safety information**

no data available

**SECTION 10: STABILITY AND REACTIVITY****10.1 Chemical stability:**

Stable under recommended storage conditions.

**10.2 Reactivity****Conditions to avoid:**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**10.3 Materials to avoid**

Strong oxidizing agents, Strong acids

**10.3 Hazardous Decomposition Products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, silicon oxides

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity**

LD50 Oral - rat - 11.747 mg/kg

**Skin corrosion/irritation**

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**11.2 Carcinogenicity**

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

**Reproductive toxicity**

no data available

**11.3 Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**11.4 Potential health effects**

**Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

May be harmful if absorbed through skin. May cause skin irritation.

**Eyes**

Causes eye irritation.

**11.5 Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**11.6 Additional Information**

RTECS: VV4650000

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**12.3 Results of PBT and vPvB assessment**

no data available

**12.3 Other adverse effects**

no data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Product disposal:**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contact a licensed professional waste disposal service to dispose of this material.

**13.2 Packaging disposal:**

Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION****14.1 ADR/RID**

UN-Number: 1993      Class: 3      Packing group: II  
UN Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Trimethoxy(methyl)silane)

**IMDG**

UN-Number: 1993      Class: 3      Packing group: II      EMS-No: F-E, S-E  
UN Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Trimethoxy(methyl)silane)  
Marine pollutant: No

**IATA**

UN-Number: 1993      Class: 3      Packing group: II  
UN Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Trimethoxy(methyl)silane)

**SECTION 15: REGULATORY INFORMATION**

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

**SECTION 16: OTHER INFORMATION****Text of H-code(s) and R-phrases mentioned in Section 3**

Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapor.
F	Highly flammable
R11	Highly flammable.

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](http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html)

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