

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

1.1 **PRODUCT NAME:** SC-2320 Silane  
 1.2 **CHEMICAL NAME/FAMILY:** (3-Mercaptopropyl)methyldimethoxysilane  
 1.3 **IDENTIFIED USE:** CHEMICAL FOR SYNTHESIS  
 1.4 **MANUFACTURER:** Manufactured/Supplied by Silsource Inc.  
 1.5 **ADDRESS:** 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6  
 1.6 **CHEMICAL EMERGENCY ONLY (PHONE):** CANUTEC (613) 996-6666 [24 Hr.]

**SECTION 2: HAZARD IDENTIFICATION**

**2.1 GHS CLASSIFICATION:**

**Classification according to REGULATION (EC) No 1272/2008[CLP]**  
 Skin irritation (Category 2), H315  
 Eye irritation (Category 2), H319  
 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
 For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS LABELLING:**



**Signal Word:** Warning

**Hazard Statements:**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**Precautionary Statements:**

**PREVENTION**

P302 + P352 IF ON SKIN: Wash with plenty of 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.

**Supplemental Hazard Statements none**

**2.3 Other Hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

**Substances**

Synonyms: Dimethoxy-(3-mercaptopropyl)methylsilane  
 Molecular weight: 180.34 g/mol  
 CAS-No. : 31001-77-1  
 EC-No. : 250-426-8

Component	Classification	Concentration
3-(Dimethoxymethylsilyl)propanethiol	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335	<= 100 %

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:** No data available

**Most important symptoms and effects, both acute and delayed symptoms**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

## SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media:** Foam water spray Carbon dioxide (CO2) dry powder  
**Unsuitable extinguishing media:** high volume water jet
- 5.2 Special hazards arising from the substance or mixture:**  
 Carbon oxides, Sulfur oxides, silicon oxides
- 5.3 Advice for firefighters**  
 Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- 5.4 Further information**  
 No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions and Protective Equipment:

For personal protection see section 8.

### 6.2 Environmental Precautions:

No data available

### 6.3 Spills/Leaks:

No data available

### Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

For precautions see section 2.2

### 7.2 Conditions for safe storage, including any incompatibilities

Store under inert gas. Air sensitive. Exposure to moisture.

#### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure control

#### Personal protective equipment

##### Skin 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

#### Control of environmental exposure

Prevent product from entering drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- |  |                     |
|--|---------------------|
| a) Appearance                              | Form: clear, liquid |
| b) Odor                                    | no data available   |
| c) Odor Threshold                          | no data available   |
| d) pH                                      | no data available   |
| e) Melting point/freezing point            | No data available   |
| f) Initial boiling point and boiling range | 96°C at 40 hPa      |
| g) Flash point                             | 93°C - closed cup   |
| h) Evaporation rate                        | no data available   |
| i) Flammability (solid, gas)               | no data available   |

j) Upper/lower flammability or explosive limits	no data available
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	1 g/cm <sup>3</sup> at 25°C
n) Water solubility	No data available
o) Partition coefficient:n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

## 9.2 Other safety information

no data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability:

Stable in closed containers under specified storage and handling conditions

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known.

### 10.4 Conditions to avoid:

Protect from moisture.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products:

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

Other decomposition products - No data available

In the event of fire: see section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### 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

#### Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Additional Information

RTECS: Not available

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

- 12.5 **Results of PBT and vPvB assessment**  
No data available  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.6 **Other adverse effects**  
No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 **Waste treatment methods**  
**Product**  
With respect to local regulations, e.g. dispose of to suitable waste incineration plant.  
**Contaminated packaging**  
Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.  
If there is product residue in the emptied container, follow directions for handling on the container's label.  
Incorrect disposal or reuse of this container is illegal and can be dangerous.  
Other countries: observe the national regulations.  
**Waste Key Number**  
No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.  
The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

### SECTION 14: TRANSPORT INFORMATION

**UN number**  
ADR/RID: - IMDG: - IATA: -  
**UN proper shipping name**  
ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods  
**Transport hazard class(es)**  
ADR/RID: - IMDG: - IATA: -  
**Packing group**  
ADR/RID: - IMDG: - IATA: -  
**Environmental hazards**  
ADR/RID: no IMDG Marine Pollutant: no IATA: no  
**Special precautions for user**  
No data available

### SECTION 15: REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
**Chemical Safety Assessment**  
For this product a chemical safety assessment was not carried out.

### SECTION 16: OTHER INFORMATION

**Relevant H phrases from chapter 3**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

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 content of the intended use.

This SDS was prepared sincerely on the basis of the information we could obtained, 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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