

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Number: SC-3400
Chemical name: 3-Glycidoxypropyldimethoxymethylsilane
CAS No.: 65799-47-5

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

For industrial use

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

Classification of the substance or mixture

According to Regulation (EC) No1272/2008
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 2
Full text of H statements: see section 16

Label elements



Signal word: Warning

Hazard statements: Causes skin irritation.
Causes serious eye irritation.

Precautionary statements: Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands thoroughly after handling.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

Other hazards: Additional methanol may be formed by reaction with moisture and water. The US OSHA PEL (TWA) for methanol is 200 ppm.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008

Synonyms: (3-Glycidoxypropyl)methyldimethoxysilane
Formula: $C_9H_{20}O_4Si$
Molecular Weight: 220.34 g/mol

Chemical Name	CAS no.	Concentration
[3-(2,3-Epoxypropoxy)propyl]dimethoxymethylsilane	65799-47-5	≥ 98%
Other Organosilanes	Not clasified	< 2%

SECTION 4: FIRST AID MEASURES

Description of first aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. If you feel unwell, seek medical advice.
In case of skin contact	Wash off with soap and plenty of water. Get medical advice/attention if irritation persists.
In case of eye contact	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical advice/attention.
General Information	NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.
- Advice for firefighters:** Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.
- Do not enter fire area without proper protective equipment, including respiratory protection.
- Avoid all eye and skin contact and do not breathe vapour and mist.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For non-emergency personnel

- Protective equipment: Wear protective equipment as described in Section 8.
- Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

- Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up:

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

Reference to other sections

- See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

- Avoid all eye and skin contact and do not breathe vapour and mist. Provide good ventilation in process area to prevent formation of vapour. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe 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. Heat sensitive. Moisture sensitive. Handle and store under inert gas.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.
Personal protective equipment

- Respiratory protection:** Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. 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:** 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, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hygiene measures:** General industrial hygiene practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Form:	liquid
Color:	colourless
PH:	no data available
Melting point:	no data available
Boiling point:	100 °C at 5 hPa - lit.
Flash point:	105 °C - closed cup
Ignition temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Density:	1.02 g/cm ³ at 25°C
Water solubility:	no data available
Log Pow:	no data available
Log Kow:	no data available
Viscosity, kinematic:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

SECTION 10: STABILITY AND REACTIVITY

Reativity	Slowly reacts to water, acids and bases
Chemical stability	Stable under recommended storage conditions
Conditions to avoid	Heat. Open flame. Sparks.
Materials to avoid	Strong oxidizing agents. Amines. Moisture. Water
Hazardous decomposition products	Methanol. Organic acid vapors.
Hazardous decomposition products formed under fire conditions:	Carbon oxides, Sculpture oxides, Hydrogen iodide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: No component of this product presents 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	No data available
Specific target organ toxicity	
- repeated exposure	No data available
Aspiration hazard	No data available
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	May cause eye irritation
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information	RTECS: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bio-accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product:	Do not dispose of waste into sewer. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging:	Dispose of as unused product.
Disposal instructions:	Follow applicable federal, State and Local regulations

SECTION 14: TRANSPORT INFORMATION

International Regulation	
Road and Rail Transport (ADR/RID):	Not regulated as dangerous goods.
Sea Transport (IMDG):	Not regulated as dangerous goods.
Air Transport (IATA):	Not regulated as dangerous goods.
Environmental hazards:	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not established
Special precautions for user:	Read safety instructions, SDS and emergency procedures before handling.

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006
US state regulations: Not listed

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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