

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Number: PROSILANE™ SC-1210
Chemical name: N-2-(AMINOETHYL)-3-AMINOPROPYLTRIETHOXYSILANE
CAS No.: 5089-72-5

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 according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion/irritation Category 1

Serious eye damage/irritation Category 1

Acute toxicity Category 4

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

Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word: Danger

2.3 Health hazard

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

2.4 Precautionary statement(s)

P280 Wear protective gloves/ eye protection/ face protection.
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)

Xi Irritant

2.5 Risk warnings

R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.

2.6 Safety warning(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

Other hazards

None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name	CAS number	Concentration
N-2-(AMINOETHYL)-3-AMINOPROPYLTRIETHOXYSILANE	5089-72-5	≥97.0%
Ethanol	64-17-5	≤0.5%
Polymer	n/a	≤2.5%

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	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Flash point

123 °C- closed cup

5.2 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Special method

Do not let product enter drains.

5.4 Special protective equipment for firemen

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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.

6.2 Environmental preventive measures

Do not let product enter drains.

6.3 Methods and materials for restraining and cleaning up the spills

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Store under inert gas. Moisture sensitive.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for operation and disposal

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Store under inert gas. Moisture sensitive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Maximum allowable concentration

Component	CAS number	Maximum allowable concentration
XXX	XXX	XXX

8.2 Exposure controls

Personal protection

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:

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

Handle with gloves.

Eye protection:

Face shield and safety glasses

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Environmental protection

Do not let product enter drains.

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

Form	liquid
Color	colorless
Odor	mild amine (ammonia-like) odor.
pH	>9
Melting point	no data available
Boiling point	273°C [760 mmHg]
Freezing Point	<0°C
Flash point	123 °C- closed cup
Refractive Index	1.436 (25°C)
Ignition temperature	no data available
Lower explosion	limit no data available
Upper explosion	limit no data available
Vapor pressure	<5mm at 25 °C
Density	0.965 g/cm ³ at 20 °C
Water solubility	no data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Chemical stability:

Stable under recommended storage conditions.

10.2 Reactivity

Conditions to avoid:

no data available

Materials to avoid

Oxidizing agents, Water and acids react with material to liberate methanol. Heat of reaction may ignite vapors of the alcohol, acids

Hazardous Decomposition Products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x), silicon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	Eyes - rabbit - Severe eye irritation

Respiratory or skin sensitization	May cause allergic skin reaction.
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	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. Causes skin irritation.
Eyes	Causes serious 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	No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	no data available
12.2 Residual/degradability:	no data available
12.3 Bioaccumulative potential:	no data available
12.4 Mobility in Soil:	no data available
12.5 Additional Environmental Information:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Product disposal:**
Dispose of in accordance with local regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
- 13.2 Packaging disposal:**
Dispose of in accordance with local regulations. Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number	ADR/RID: 2735	IMDG: 2735	IATA: 2735
14.2 UN Proper Shipping Name	AMINES, LIQUID, CORROSIVE, N.O.S. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)		
	IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)		
	IATA: AMINES, LIQUID, CORROSIVE, N.O.S. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)		
14.3 Transport hazard class(es)	ADR/RID: 8	IMDG: 8	IATA: 8
14.4 Packing group	ADR/RID: III	IMDG: III	IATA: III
14.5 Environmental hazards	ADR/RID: no	IMDG Marine Pollutant: no	IATA: no
14.6 Special precautions for user	no data available		

SECTION 15: REGULATORY INFORMATION

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

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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