SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Number:	PROSILANE™ SC-1118
Chemical name:	BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE
CAS No.:	82985-35-1

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

It can be used as a bonding accelerator between inorganic materials (e.g. glass, metal fillers) and organic polymers (thermoset plastics, thermoplastics and elastomers) or as a surface modifier.

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

Health hazard

Severe eye injury / eye irritation	Category 1
Specific target organ toxicity – Single exposure	Category 1

Environment hazards:

Hazards to aquatic environment - long-term hazards	Category 2

2.2 GHS Label elements

The signal word Danger

Hazard statement(s)

H318	Causings evere eye damage
H370	Damage to organs.
H411	Toxic to aquatic life and has long lasting effects.

Precautionary statement(s)

Precautionary measures

P280	Wear protective gloves/suits/goggles/masks.

Incident response

P301 + P330 + P331	If swallowed: gargle. Do not induce vomiting.
P302 + P352	If on skin: rinse with plenty of soap and water.
P304 + P340	If inhaled: move the patient to fresh air to rest and maintain a relaxed breathing posture.
P310	Call the detoxification center or doctor immediately
P305 + P351 + P338	If into eyes: wash carefully with water for a few minutes. If wearing contact lenses and can be easily removed, remove contact lenses. Continue rinsing.

Safe Storage

P405	Storage must be locked.

Waste disposal

P5401	Dispose of contents/containers according to local regulations

Other hazards

No data, methanol may react with water

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name	CAS number
BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE	82985-35-1

3.2 Ingredients

Chemical name	CAS number	Concentration
BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE	82985-35-1	≥90%
Methanol	67-56-1	≤10%

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. Move out of dangerous area.

If inhaled

Move victim to fresh air, keep breathing, and rest. Immediately call a POISON CENTER/doctor if you feel unwell.

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.

If in eyes

Rinse carefully with water for a few minutes.
If convenient and easy to operate, remove contact lenses.
Continue cleaning. If eye irritation: Get medical advice/attention.

If swallowed

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

Protection of emergency rescuer

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use dry powder or foam on large fires, carbon dioxide, dry powder, sand on small fires.Water can be used to cool fire-affected containers.

5.2 Specific hazards during fire fighting

Be careful, combustion or high temperature will decompose to produce toxic smoke

5.3 Special method

According the local emergency plan to determine if evacuation or isolation of the area is necessary.Keep containers exposed to fire cool by spraying water

5.4 Special protective equipment for firemen

When putting out a fire, always wear personal protective equipment

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Prevent inhaling vapors, aerosols or gases.Ensure adequate ventilation

6.2 Environmental preventive measures

Take measures to prevent further leakage or overflow under safe conditions. Don't let the leakage flow into the sewer to prevent it discharge into the surrounding environment

6.3 Methods and materials for restraining and cleaning up the spills

Absorbed with inert adsorbent and treated as hazardous waste. Store in a suitable closed processing container

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for operation and disposal

Handle in a well-ventilated area.
Wear appropriate protective equipment. Prevent smoke from forming.
Keep away from heat/sparks/open fires/hot surfaces. Smoking bans.
Take measures to prevent the accumulation of static electricity. Use explosion-proof equipment.

Wash hands and face thoroughly after handling. Prepare fire protection measures.

7.2 Precautions for storage

Store in the shade.
Keep container closed and store in a dry and ventilated place.
If container have been opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Maximum allowable concentration

Component	CAS number	Maximum allowable concentration
BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE	82985-35-1	No Data

8.2 Exposure controls

Exposure in the work place limited and controlled

Workplaces are recommended to be separated from other workplaces; Airtight operation to prevent leakage.
Strengthen ventilation.
Set up automatic alarm device and emergency ventilation facilities.
Set up emergency evacuation routes and necessary evacuation areas, red warning lines, warning signs and warning instructions in Chinese and build communication alarm system.
Provide safe shower and eye wash facilities

Personal protection

Respiratory protection：Gas masks. According to local and government regulations. Hand protection: protective gloves.
Eye protection: safety goggles. Wear a mask if necessary.
Skin and body protection: protective clothing. Wear protective boots if necessary

Environmental protection

Local Ventilation: Recommend
Conventional Ventilation: Recommend

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state/form	fluid
Color	light yellow transparent
pH	no data
Boiling point	285-288℃ (1013 hPa)
Melting point	＜-38℃
Flash point	＞100°C (1013 hPa) (Closed cup method)
Ignition point	no data
Oxidizing properties	no data
Upper explosion limit	no data
Lower explosion limit	no data
Vapor pressure	0.1hPa (20℃)
Vapor density	no data
Density/relative density	1.04 g/cm3 (20℃)
Solubility	reacts with water
Heat of combustion	no data
Viscosity(dynamic)	no data

SECTION 10: STABILITY AND REACTIVITY

10.1 General information

The resulting industrial practices are stored and disposed of in accordance with conventional non-harmful reactions

10.2 Chemical stability:

moisture sensitive

10.3 Reactivity

Conditions to avoid: incompatible materials, ignition sources, excess heat, exposure to moist air
Hazardous Decomposition Products: carbon oxides and incomplete combustion of carbon compounds, silicon dioxide.

Hazardous polymerization: polymerization may occur in the presence of water, strong acids, or heat

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Route of Infectione:
Inhalation, skin contact and accidental ingestion

11.2 Signs and Symptoms of Overexposure:
Harmful if inhaled. May be harmful if swallowed. Causing severe eye damage. May cause skin irritation.May cause skin irritation

11.3 Acute Toxicity:

Chemical Name	CAS number	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE	82985-35-1	＞2000 mg/kg (mouse)	11865 mg/kg (rabbit)	-

Potential health effects

Inhalation	Inhalation may be harmful. May cause respiratory irritation
Ingestion	Ingestion is harmful to human body
Skin	If absorbed through the skin, can be harmful.May cause skin irritation
Eyes	causing eye irritation

11.4 Chronic Toxicity
Organosilicon compounds generally have low toxicity

11.5 Other health hazard information
No data

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Fish: LC50 130 mg/l test time：96 hours Zebra fish

Water louse and other aquatic invertebrates:
Toxicity to water fleas and other aquatic invertebrates:EC50 ＞100 mg/l test time：48 hours Daphnia magna

Algae: EC50 ＞100 mg/l test time：72 hours Pseudokirchneriella subcapitata

12.2 Residual/degradability:
This product is easily hydrolyzed in water or moist air, releasing ethanol and organosilicon compounds

12.3 **Bioaccumulative potential:** No data

12.4 **Mobility in Soil:** No data

12.5 Additional Environmental Information:
Environmental hazards cannot be ruled out even in cases of professional treatment or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product disposal:
Dispose of in accordance with local regulations.

13.2 Packaging disposal:
Dispose of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number	UN3082
14.2 UN Proper Shipping Name	Environmentally hazardous liquids, not otherwise specified
14.3 Transport hazard class(es)	Category 9
14.4 Packing group	Ⅲ
14.5 Technical name	BIS[(3-TRIMETHOXYSILYL)PROPYLAMINE

SECTION 15: REGULATORY INFORMATION

National and local regulations must be observed. For information on labeling, please refer to section 2 of this document. The Regulations for the Safe Administration of Hazardous Chemicals in the Workplace(issued by Council of the PRC on February 16, 2011): Relevant provisions are made for the safe use, production, storage, transportation, loading and unloading of hazardous chemicals

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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