

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Silane slide coating adhesive.
Catalogue Number: I030.
Other Names: Slide Coating Adhesive, Flammable liquid, n.o.s. (contains ethanol).
Recommended Use: Apply an adhesive surface to microscope slides.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:
 Hazardous according to criteria of Hazardous Substances Information System [HSIS Worksafe Australia].

Hazardous and/or Dangerous Nature:
 HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Risk Phrases:
 R11 Highly flammable.
 R22 Harmful if swallowed.
 R34 Causes burns.
 R36 Irritating to eyes.
 R66 Repeated exposure may cause skin dryness or cracking.
 R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:
 S1/2 Keep locked up and out of reach of children.
 S7 Keep container tightly closed.
 S9 Keep container in a well-ventilated place.
 S16 Keep away from sources of ignition - No smoking.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S46 If swallowed, seek medical advice immediately and show this container or label.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):

Chemical Identity: Silane slide coating adhesive.
Common Name(s): Slide Coating Adhesive, Flammable liquid, n.o.s. (contains ethanol).
CAS Number(s): Mixture – see below.

Mixture Substance:

Ingredients	Cas Number(s)	Proportion (%)
Acetone	67-64-1	98
3-Aminopropyl-triethoxysilane	919-30-2	1.5
Ethyl alcohol [Ethanol]	64-17-5	< 0.5

SECTION 4 - FIRST AID MEASURES

Ingestion: Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation: Remove victim to fresh air. Give CPR or oxygen if necessary. Seek medical attention immediately.
Eye Contact: Flush with clean water for at least 15 minutes. Seek immediate medical attention.
Skin Contact: Scrub with soap and water. Remove contaminated clothing and shoes. If irritation occurs/persists seek medical attention.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:
 See additional information below.
Additional Information:

Material is/contains a primary amine (organic base) which may generate hydroxide Anion (strong base) on contact with water or moisture on the skin, in the eyes, or on mucous membranes.

Material, upon ingestion, may cause irritation or chemical burns of the mouth, throat, esophagus, and stomach. Long-term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis. Prolonged skin contact may lead to kidney damage, and severe cumulative dermatitis.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Smother with dry sand, dry limestone or dry-powder-type agents.

Hazards from Combustion Products:

Carbon Monoxide, Carbon Dioxide, and Oxides Silicon and Nitrogen.

Precautions for Fire Fighters:

Fire fighters must wear positive-pressure, self-contained breathing apparatus and full protective clothing.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Not available.

Containment & Clean up:

Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not contaminate soil, groundwater, or surface water.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use in a well ventilated area. Use good housekeeping and hygiene practises when handling. Wear appropriate protective equipment while handling. Wash thoroughly after handling. Keep lid tightly sealed when not in use.

Precautions for Safe Storage:

Store in a cool and dry place. Maintain tightly closed container. Protect from moisture. Store away from acidic and oxidizing materials. Provide adequate ventilation. Since empty containers retain product residue, follow hazard precautions even after container is emptied.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: Acetone, Cas 67-64-1:
TWA 500ppm; TWA 1185mg/m³
STEL 1000ppm; STEL 2375mg/m³

3-Aminopropyl-triethoxysilane, Cas 919-30-2:
No exposure standard allocated.

Ethyl alcohol [Ethanol], Cas 64-17-5:
TWA 1000ppm; TWA 1880mg/m³

Biological Limit Values: Not available.

Engineering Controls:

Maintain adequate ventilation. Mechanical ventilation recommended.

Personal Protective Equipment:

Respiratory Protection: If exposure exceeds TLV, use appropriate NIOSH approved respiratory protection.

Protective Clothing: Use impervious gloves and clothing as necessary to protect against skin contact.

Eye Protection: Use chemical goggles and face shield.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless to yellow liquid

Odour: Not available.

pH: Not available.

Vapour pressure (mm of Hg at °C): <1mm of Hg at 20°C.

Vapour density: (Air=1): >1

Boiling point/range (°C): Not available.

Freezing/melting point (°C): Not available.

Solubility: Reacts with water.

Specific gravity or density: 0.95

Flash Point:	96.1°C.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	
% Volatile by volume:	-95%

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Contact with water or moist air and incompatible materials.
Incompatible Materials:	Avoid contact with acids and oxidizing agents.
Hazardous Decomposition Products:	
	Carbon Monoxide, Carbon Dioxide, and Oxides Silicon and Nitrogen.
Hazardous Reactions:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Material is/contains a primary amine (organic base) which may generate hydroxide Anion (strong base) on contact with water or moisture on the skin, in the eyes, or on mucous membranes.

Material, upon ingestion, may cause irritation or chemical burns of the mouth, throat, esophagus, and stomach. Long-term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis. Prolonged skin contact may lead to kidney damage, and severe cumulative dermatitis.

Ingestion:

Causes severe chemical burns. Toxic.

Inhalation:

Causes irritation or damage to lung. May be harmful. Avoid contact.

Eye Contact:

Causes chemical burns. Corrosive-causes tissue destruction.

Skin Contact:

Causes chemical burns. Can be absorbed.

Human/Animal data: 3-Aminopropytriethoxysilane, Cas 919-30-2:
oral-rat LD50: 1780 mg/kg
skin-rabbit LD50: 1780 mg/kg

Carcinogenic Category: Not classified as a Carcinogen by the IARC.

Other Carcinogenic Information: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Not available.
Persistence and degradability:	Not available.
Mobility:	Not available.
Additional Information:	Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Incinerate. Follow all Federal, State, and local regulations.

Special Precautions/Additional Informational:

Be sure to dispose of packaging according to all Federal, State, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

UN Number:	UN1993
UN Proper Shipping Name:	Flammable liquid, n.o.s. (contains ethanol)
Class and Subsidiary risk:	3
Packing Group:	II
Special Precautions for User:	Not available.
Hazchem Code:	Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: S5

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: October 10

Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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