

Safety Data Sheet



1. Identification of the substance/mixture and supplier

Product Name: Polyurethane Adhesion Promoter
Other Names:
Recommended use: Adhesion promoter primer coat for glass and concrete
Supplier: Uroxsys Ltd
Street Address: 2 Stonedon Drive, East Tamaki, Auckland
Telephone Number: +64 9 2740808 (8.00am to 5.00pm, Monday to Friday)
Facsimile: +64 9 2740500
Emergency Telephone: After hours phone 0800 867666 (or 09 3034580), quote reference:
Uroxsys Helpline
National Poison Information Centre 0800 POISON (764766)
Date of issue 30th July 2013

2. Hazards identification



DANGER

3.1B, 6.1E(Oral), 6.3B, 6.4A

EPA Approval: HSR002662 Surface Coatings and Colourants (Flammable) Group Standard 2006

Hazard Statements:

- Highly flammable liquid and vapour.
- May be harmful if swallowed
- Causes mild skin irritation.
- Causes serious eye irritation.

Prevention Statements

- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/eye protection.
- Keep out of reach of children.
- Wash hands thoroughly after handling.

Response Statements

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- In case of fire: Use foam, carbon dioxide, dry powder for extinction.
- If medical advice is needed, have product container or label at hand.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- 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.

3. Composition/information on ingredients

Material	CAS No	Content %
Isopropyl alcohol	67-63-0	> 70
Gamma-methacryloxypropyltrimethoxysilane	2530-85-0	< 2
Gamma-aminopropyltriethoxysilane	919-30-2	< 1

4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

Ingestion: Do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Inhalation: Remove to fresh air. If respiratory irritation, dizziness, nausea or unconsciousness occurs seek medical attention

Skin Contact: Wash skin thoroughly with water. Launder contaminated clothing before re-use.

Eye Contact: Flush eye with water. If irritation persists obtain medical attention.

Advice to Doctor:

Treat symptoms with reference to specific health effects identified above.

5. Fire-fighting measures

Specific Hazards: Highly Flammable liquid. On burning will emit toxic fumes including those of oxides of carbon.

Fire-fighting advice: On burning will emit toxic fumes. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media: Foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem Code: 3[Y]E

6. Accidental release measures

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods for containment & clean up:

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

7. Handling and storage

Handling advice: Avoid skin and eye contact and breathing in vapour. May form flammable vapour mixtures with air. All potential sources of ignition must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to a source of ignition and flash back.

Storage advice: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

Occupational Exposure Limits:

No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for constituent(s):

Isopropyl alcohol: TLV/TWA is 400 ppm (983mg/m³), STEL is 500 ppm (1230mg/m³)

Engineering Control Measures:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected.

Personal Protective Equipment:

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Physical state: Liquid
Colour: colourless
Solubility: slightly
Specific Gravity: 0.8
Flash Point (°C): 12°C

Flammability Limits (%): 2.3-12.7
Boiling Point/Range (°C): 82°C

10. Stability and reactivity

- Stability:** Stable under normal conditions
- Conditions to avoid:** Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition and open flame
- Incompatible materials:** Incompatible with oxidising agents
- Hazardous decomposition products:** Combustion will generate oxides of carbon

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Ingestion:** Practically non toxic.
Eye contact: Practically non irritating.
Skin contact: Practically non irritating.
Inhalation: Practically non toxic.

Supplementary Information:

Prolonged, repeated skin contact may result in skin irritation. Prolonged, repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Respiratory irritation, dizziness, nausea, loss of consciousness.

Toxicological Data:

No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains.

However, for constituent isopropyl alcohol:

Acute oral LD 50 (mouse): 3600 mg/kg, Draize score greater than 6 but less than 15

12. Eco toxicological information

Avoid contaminating soil and waterways

13. Disposal considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry

out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

14. Transport information



Road and Rail Transport

Classified as Dangerous Goods by NZS 5433:1999 Transport of Dangerous Goods on Land.

UN No: 1263

Class-primary 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: PAINT RELATED MATERIAL

Hazchem Code: 3[Y]E

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 1263

Class-primary: 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: PAINT RELATED MATERIAL

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 1263

Class-primary: 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: PAINT RELATED MATERIAL

15. Regulatory information

EPA Approval: HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2006

16. Other information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since

Uroxsys Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Uroxsys Limited at the contact details on page 1.

While Uroxsys Ltd believes that the information contained herein is based on data considered accurate, no warranty or representation is expressed or implied for which Uroxsys Ltd assumes legal responsibility.

This version replaces all previous versions.

END OF SDS