

Safety Data Sheet



1. Identification of the substance/mixture and supplier

Product Name: Polyurethane Spray Thinners
Other Names:
Recommended use: Conditioning of previously coated floors prior to recoating
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 4th September 2013

2. Hazards identification

DANGER



3.1B, 6.1E(Inhalation), 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

EPA Approval: HSR002650
Solvents (Flammable) Group Standard 2006

Hazard Statements:

- Highly flammable liquid and vapour.
- May be harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of damaging fertility or the unborn child
- May cause damage to organs through prolonged or repeated exposure.
- Toxic to aquatic life.
- Harmful to terrestrial vertebrates.

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/face protection.
- Keep out of reach of children.
- Wash hands thoroughly after handling.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Do not breathe fume/gas/mist/vapours/spray.
- Avoid release to the environment.

Response Statements

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

3. Composition/information on ingredients

Material	CAS No:	Content %
Toluene	108-88-3	50 – 70
Methyl Ethyl Ketone	78-93-3	40 – 50

4. First-aid measures

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

Ingestion:	Do not induce vomiting. Keep warm and at rest. Obtain emergency medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped, apply artificial respiration. Seek medical advice. Prompt action is essential.
Skin Contact:	If skin contact occurs, immediately remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists obtain medical attention.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Obtain medical attention urgently.

5. Fire-fighting measures

Hazards from combustion:	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 labelled 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:	Toluene TLV/TWA 50ppm, 188mg/m ³ , skin Methyl ethyl ketone TLV/TWA 150ppm, 445 mg/m ³ , STEL 300ppm, 890 mg/m ³
Engineering Control Measures:	Ensure ventilation is adequate. Use only in well ventilated areas. Keep containers closed when not in use.
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
Solubility in water:	0.52 kg/m ³
Specific Gravity:	0.84
Flash Point (°C):	-4°C
Flammability Limits (%):	Lower 1.2%, Upper 8%
Boiling Point/Range (°C):	72°C
Colour	Colourless

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:	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:	Will cause corrosion and damage of the gastrointestinal tract. Swallowing can result in nausea, vomiting and central nervous system depression. Aspiration into lungs may cause chemical pneumonitis which can be fatal.
Eye contact:	Liquid or vapour is irritating to eyes.
Skin contact:	Contact with skin may result in irritation. Will have degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Inhalation:	Exposure to vapour may cause irritation of the nose, throat and respiratory tract and headache. Exposure to vapour at high concentrations may cause severe irritation of throat and respiratory tract.
Long term Effects:	Not a skin sensitiser. Dermatitis may result from prolonged or repeated exposure.
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 toluene; Oral LD50 (rat): 636 mg/kg, Inhalation LC50 (rat): 12.5-28.8 mg/lt For methyl ethyl ketone: Oral LD50 (rat) 2737 mg/kg

12. Eco toxicological information

Prevent contamination of soil and water. Large volumes may penetrate soil and could contaminate ground water. Readily biodegradable and oxidizes rapidly by photochemical reactions in air. Toxic to aquatic organisms, but non toxic to organisms in sewage treatment plants.

Toluene:

LC50 (96 h) 5.8 mg/lit Oncorhynchus mykiss (Rainbow trout)

EC50 (48 h) 11.5 mg/lit Daphnia magna (crustacean)

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: 3, 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: 3, 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: 3, Packing Group: II

Proper Shipping Name: PAINT RELATED MATERIAL

15. Regulatory information

EPA Approval: HSR002650
Solvents (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