

Safety Data Sheet



1. Identification of the substance/mixture and supplier

Product Name: Watermarque 2K Topcoat Gloss/Matt/Satin Hardener
Other Names:
Recommended use: Hardener component for Watermarque 2K Topcoat Resin
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 17th July 2013

2. Hazards identification

WARNING



3.1D, 6.1D(Inhalation), 6.5B, 9.1C

EPA Approval:HSR002657

Surface Coatings and Colourants (Combustible) Group Standard 2006

Hazard Statements:

- Combustible liquid.
- Harmful if inhaled.
- May cause an allergic skin reaction.
- Harmful to aquatic life with long lasting effects.

Prevention Statements

- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Wear protective gloves/eye protection/face protection.
- Keep out of reach of children.
- Avoid breathing fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.

Response Statements

- If medical advice is needed, have product container or label at hand.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

3. Composition/information on ingredients

Material	CAS No	%
Aliphatic polyisocyanate		> 60
Dipropylene glycol dimethyl ether	111109-77-4	20 – 40
Hexamethylene-1,6-diisocyanate	822-06-0	< 0.15

4. First-aid measures

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

Ingestion:	If swallowed, do NOT induce vomiting. Rinse mouth with water. Seek medical assistance.
Inhalation:	Remove patient to fresh air. If vapours or mists have been inhaled and irritation developed seek medical advice.
Skin Contact:	If skin or hair contact occurs, immediately remove contaminated clothing and clean skin and hair with plenty of soap and water. If irritation occurs seek medical advice.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
Notes to physician:	Treat symptomatically.

5. Fire-fighting measures

Hazards from combustion:	Combustible liquid. On burning may emit toxic fumes including oxides of carbon and oxides of nitrogen
Fire-fighting advice:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.
Suitable Extinguishing Media:	Foam, dry agent (carbon dioxide, dry chemical powder).
Hazchem Code:	Not applicable

6. Accidental release measures

Emergency procedures:	If contamination of sewers or waterways has occurred advise local emergency services.
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Methods for containment & clean up:

Clear area of all unprotected personnel. 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 in properly labeled containers.

7. Handling and storage

Handling advice:

Avoid skin and eye contact and breathing in vapour. Keep out of reach of children.

Storage advice:

Store in a cool, dry, well ventilated place and out of direct sunlight. 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): Isocyanates, all (as-NCO) (sen):TWA 0.02 mg/m³; STEL 0.07 mg/m³

‘Sen’ Notice – sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

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.

Personal Protective Equipment:

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If spraying or 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:

Dispersible in water

Specific Gravity:

1.0

Flash Point (°C):

65°C

Flammability Limits (%):

Not available

Boiling Point/Range (°C):

175

Colour:

White

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. Reacts with moisture
Incompatible materials:	Incompatible with oxidising agents

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:	May cause irritation of the mouth, throat and gastrointestinal tract.
Eye contact:	May cause irritation.
Skin contact:	Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Inhalation:	Breathing of mists, vapours or fumes may irritate the nose, throat and lungs. May result in headaches, dizziness, drowsiness and possible nausea.
Long Term Effects:	Hypersensitive persons may suffer from these effects even at low isocyanate concentrations.
Toxicological Data:	No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains. Additive effects may occur with mixtures of solvents. Similar effects can occur where the consumption of alcohol is also involved. However, for constituents: Hexamethylene – 1,6-diisocyanate: Oral LD50 (rat) >5000 mg/kg, Dermal LD50 (rabbit): >7000 mg/kg, Inhalation LC50 (rat): 543 mg/m ³ /4hours Aliphatic polyisocyanate: Oral LD50 (rat): >2000 mg/kg Dipropylene glycol dimethyl ether: oral LD50 (rat): 3300mg/kg, LD50 dermal (rat) > 2000mg/kg

12. Eco toxicological information

Avoid contaminating waters, wastewater or soil. Notify authorities if water supply is contaminated.
Isocyanate: Acute fish toxicity LC0 (96hr) > 100 mg/ml Zebra barbell

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

Not Classified as Dangerous Goods by NZS 5433:1999 Transport of Dangerous Goods on Land.

Marine Transport

Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory information

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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