

# Safety Data Sheet



## 1. Identification

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)  
Emergency Telephone: After hours phone CHEMCALL 0800 243622 (or +64 4 9179888)  
National Poison Information Centre 0800 POISON (764766)  
Date of issue 1<sup>st</sup> September 2022

## 2. Hazards identification

### GHS classification of the substance/mixture:

Classified as Hazardous according to Hazardous Substances (Hazard Classification) Notice 2020  
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020  
Transport of Dangerous Goods.



Flammable Liquid Category 4, Skin sensitisation Category 1, Acute toxicity inhalation Category 4, Aquatic toxicity (chronic) Category 3

EPA Approval: HSR002657  
Surface Coatings and Colourants (Combustible) Group Standard 2020  
3.1D, 6.1D (I), 6.5B, 9.1C

### Signal Word:

WARNING

### Hazard Statements:

H227: Combustible liquid.  
H317: May cause an allergic skin reaction.  
H332: Harmful if inhaled.  
H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements – Prevention:**

P102: Keep out of reach of children.  
P103: Read label before use.  
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P261: Avoid breathing fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/eye protection/face protection.

**Precautionary Statements – Response:**

P101: If medical advice is needed, have product container or label at hand.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P363: Wash contaminated clothing before reuse.

**Precautionary Statements – Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.

**Precautionary Statements – Disposal:**

P501: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be reacted with appropriate quantity of resin and brushed out on newspaper, allowed to cure and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to cure. When cured, 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.

**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: 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.  
Skin Contact: 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.  
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.
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 Worksafe NZ. However, NZ Workplace Exposure Standard(s) for constituent(s): Isocyanates, all (as-NCO) (sen):TWA 0.02 mg/m <sup>3</sup> ; STEL 0.07 mg/m <sup>3</sup> . These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust.
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 (mouse) 350 mg/kg, Dermal LD50 (rabbit): 593 mg/kg, Inhalation LC50: 15 mg/m <sup>3</sup> /4hours

## 12. Ecological information

Avoid contaminating waters, wastewater or soil. Notify authorities if water supply is contaminated.  
For constituent: hydrophilic aliphatic polyisocyanate: Acute Fish toxicity LC50 28,3 mg/l Species: Danio rerio (zebra fish) Exposure duration: 96 h, Acute toxicity for daphnia EC50 > 100 mg/l Species: Daphnia magna (Water flea) Exposure duration: 48 h, Acute toxicity for algae ErC50 > 100 mg/l  
Species: scenedesmus subspicatus Exposure duration: 72 h .Acute bacterial toxicity EC50 > 10.000 mg/l  
Species: activated sludge

### **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 reacted with appropriate quantity of resin and brushed out on newspaper, allowed to cure and then disposed of via waste collection. Empty containers should be left open in a well-ventilated area to cure. When cured, recycle the container via recycling programmes. Disposal of empty containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

### **14. Transport information**

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.

#### Road and Rail Transport

Not Classified as Dangerous Goods by NZS 5433 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**

EPA Approval: HSR002657 Surface Coatings and Colourants (Combustible) Group Standard 2020

### **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.

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This version replaces all previous versions.

END OF SDS