

Safety Data Sheet



1. Identification

Product Name: Watermarque 2K WB Primer Hardener
Other Names:
Recommended use: Hardener component for Watermarque 2K WB Primer
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 1st 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, STOT (repeated exposure) Category 2, Aquatic toxicity (chronic) Category 3

EPA Approval: HSR002657
Surface Coatings and Colourants (Combustible) Group Standard 2020
3.1D, 6.1D (I), 6.5B, 6.9B, 9.1C

Signal Word:

WARNING

Hazard Statements:

H227: Combustible liquid.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.
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.
P260: Do not breathe fumes/gas/mist/vapours/spray.
P261: Avoid breathing fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
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.
P314: Get medical advice/attention if you feel unwell.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: use foam, dry agent (carbon dioxide, dry chemical powder) for extinction.

Precautionary Statements – Storage:

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

Precautionary Statements – Disposal:

P501: Do not let product enter the environment. Do not dispose of in waterways or sewers. Unwanted product should be reacted with appropriate amount of resin then 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 programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

3. Composition/information on ingredients

Materials	CAS No	%
Aliphatic polyisocyanate		> 60
Propylene glycol monoethyl ether acetate	108-65-6	< 10
Hexamethylene-1,6-diisocyanate	822-06-0	< 0.1

4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766. Have product container or label at hand.

Ingestion: If swallowed, do NOT induce vomiting. 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: No information available.

5. Fire-fighting measures

Hazards from combustion: On burning may emit toxic fumes including those of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide.
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. Combustible liquid. May form flammable vapour mixtures with air. Keep containers cool with water spray.
Suitable Extinguishing Media: Foam, dry agent (carbon dioxide, dry chemical powder).
Hazchem Code 3[Y]

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 in properly labelled containers.

7. Handling and storage

Handling advice: Avoid skin and eye contact and breathing in vapour. Eliminate all potential sources of. Do NOT smoke.
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 Worksafe NZ. However, NZ Workplace Exposure Standard(s) for constituent(s):

Isocyanates, all (as-NCO) (sen):TWA 0.02 mg/m³; STEL 0.07 mg/m³. 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. 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 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 in water:	Partly
Specific Gravity:	1.0
Flash Point (°C):	61°C
Flammability Limits (%):	Not available
Boiling Point/Range (°C):	146°C
Colour	Amber liquid

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. May cause headache, pain, dizziness, diarrhea and nausea.
Eye contact:	May cause eye 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 cause respiratory sensitisation in sensitive individuals, producing asthma-like symptoms.

Long Term Effects: Prolonged or repeated exposure may cause liver or kidney damage. Over-exposure, especially when spraying without the necessary precautions entails the risk of concentration-dependent irritating effects on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hyper-sensitivity are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations.

Toxicological Data: No LD50 data available for the product. However, for constituents:
Hexamethylene-1,6-diisocyanate: Oral LD50 (mouse): 350 mg/kg,
Inhalation LC50 30 mgm3 for 2hr, Dermal LD50 (rabbit) 593 mg/kg
1-methoxy-2-propyl acetate: Oral LD50 (rat) 8532 mg/kg, Dermal LD50 (rabbit) 5000 mg/kg

12. Ecological information

Avoid contaminating waters, wastewater or soil. Notify authorities if water supply is contaminated.

For constituent

1-methoxy-2-propyl acetate: Acute Toxicity – Fish: LC50 (Oncorhynchus mykiss): 134 mg/l/96h

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 EC50 > 100 mg/l Species: scenedesmus subspicatus

Exposure duration: 72 h. Acute bacterial toxicity EC50 > 10.000 mg/l

13. Disposal considerations

Refer to Waste Management Authority. 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 amount of resin then 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

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

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.

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