

## 1. Identification of the substance/mixture and supplier

Product Name: Reactive Primer  
Other Names:  
Recommended use: Primer under Uroxsys Aliphatic Coatings  
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 15<sup>th</sup> November 2021

## 2. Hazards identification

**DANGER**



Flammable Liquid Category 3, Skin Irritation Category 3, Serious eye irritation Category 2, Skin sensitisation Category 1, Respiratory sensitisation Category 1, Specific target organ toxicity (single exposure) Category 2

3.1C, 6.1E(Inhalation), 6.3B, 6.4A, 6.5A, 6.5B, 6.9B, 9.1C

EPA Approval: HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

### Hazard Statements:

H226: Flammable liquid and vapour.

H316: Causes mild skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H333: May be harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

### **Prevention Statements**

- P102: Keep out of reach of children.
- P103: Read label before use.
- P210: Keep away from sparks/open flames/hot surfaces. No smoking.
- P233: Keep container tightly closed.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe fumes/gas/mist/vapours/spray.
- P261: Avoid breathing fume/gas/mist/vapours/spray.
- P264: Wash hands thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P285: In case of inadequate ventilation wear respiratory protection. (*see section 8*)

### **Response Statements**

- P101: If medical advice is needed, have product container or label at hand.
- P303+P361+P353+P352: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water.
- P304+P341+P312: IF INHALED: If breathing is difficult, 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.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314: Get medical attention/advice if you feel unwell.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- P363: Wash contaminated clothing before reuse.
- P370+P378: In case of fire: Use foam, dry powder, carbon dioxide for extinction.

### **Storage Statements**

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

### **Disposal Statements**

- P501 Do not let product enter the environment. Do not dispose of in waterways or sewers. Unwanted product should be 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 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

Material	CAS No	Content %
Hexamethylene diisocyanate homopolymer	28182-81-2	40 – 60
1-methoxy-2-propyl acetate	108-65-6	20 – 40
1,2,5-Trimethylbenzene	95-63-6	< 10
Xylene	1330-20-7	< 10
1,3,5-Trimethylbenzene	108-67-8	< 5
Hexamethylene Diisocyanate	822-06-0	<0.3

### 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. Immediately rinse mouth with water and give water to drink. Seek immediate medical assistance.
Inhalation:	IF INHALED: If breathing is difficult, 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 experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Skin Contact:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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: 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.
Notes to physician:	Treat symptomatically.

### 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.
Suitable Extinguishing Media:	Water fog (or if unavailable fine water spray), 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:	Quickly wipe up material before it cures, with cloth or absorbent paper avoiding skin contact. Uncured material will dissolve in 50:50

blend of acetone and meths. Cured material can only be removed by abrasion.

For large spills: Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Scrape up material before it cures. Collect in properly labelled containers and seal once product has hardened. Wash area down with excess water. Cured material can only be removed by abrasion.

## 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.

Storage advice: Vapour may travel a considerable distance to a source of ignition and flash back.

Store in a cool place and out of direct sunlight. Store away from acids, alcohols, oxidizing agents, moisture and sources of heat or ignition. Keep dry, reacts with water; may lead to drum rupture. Keep containers closed at all times, 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): TWA 0.02 mg/m<sup>3</sup>; STEL 0.07 mg/m<sup>3</sup>, sen, NZ, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust.

Xylene: TWA 50ppm, 217 mg/m<sup>3</sup>

Sen –

A substance that can ‘sensitise’ the respiratory system, inducing a state of hypersensitivity to it, so that on subsequent exposures, an allergic reaction can occur (which would not develop in non-sensitised individuals). It is uncommon to become sensitised to a compound after just a single reaction to it.

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:	Viscous liquid
Solubility in water:	Insoluble in water. Soluble in organic solvents
Specific Gravity:	0.90 – 1.08
Flash Point (°C):	29°C
Flammability Limits (%):	Not available
Boiling Point/Range (°C):	Not available
Colour	Pale yellow

## 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 oxidizing 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:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways). May cause respiratory sensitization in sensitive individuals, producing asthma-like symptoms. Breathing in vapour can result in headaches, dizziness and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and if exposure is prolonged, unconsciousness.
Long term Effects:	No information available for the product. For the solvent evidence indicates that repeated or prolonged exposure to this chemical could result in central nervous system disorders.
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 constituent Hexamethylene diisocyanate homopolymer: Inhalation LC50 (rat) 18500 mg/kg Hexamethylene diisocyanate: Inhalation dust/mist: LC50 30 mg/l, Oral LD50 (mouse) 350mg/kg, Dermal LD50 (rabbit) 593 mg/kg Xylene: Oral, LD50 (mouse) 1590mg/kg, Inhalation, LC50 (rat) 27.6mg/L

1-methoxy-2-propyl acetate: Oral LD50 (rat) 8532mg/kg, Dermal LD50 (rabbit) 5000 mg/kg  
1,2,5 Trimethylbenzene: Inhalation LC50 (rat) 18 g/m<sup>3</sup>/4h, Oral LD50 (rat) 3280 mg/kg  
1,3,5 Trimethylbenzene: Oral LD50 (mouse) 1590 mg/kg, Inhalation LC50 (rat) 6350 ppm

## 12. Eco toxicological information

Avoid contaminating waterways. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

For constituent:

1-methoxy-2-propyl acetate: Acute Toxicity – Fish: LC50 (Oncorhynchus mykiss): 134 mg/l/96h  
Daphnia EC50 (Daphnia magna): 408 mg/l/48h, Algae ErC50 (Pseudokirchneriella subcapitata): >1000 mg/l/96h  
Xylene Rainbow trout, EC50(96hr)3.3mg/L, Palaemonetes pugio(crustacea)EC50(48 hr)8.5 mg/L  
Skeletonema costatum (alga) EC50(72 hr) 10.0 mg/L

## 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 Transport of Dangerous Goods on Land.

UN No: 1263

Class-primary 3 Flammable Liquid

Packing Group: III

Proper Shipping Name: PAINT

Hazchem Code: 3[Y]

#### 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: III

Proper Shipping Name: PAINT

#### 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: III

Proper Shipping Name: PAINT

### **15. Regulatory information**

EPA Approval: HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017.

### **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