

# Safety Data Sheet



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

Product Name: Through-Cure Catalyst  
Other Names:  
Recommended use: Adjusting the viscosity and cure rate of Duracoat moisture curing polyurethanes at low temperatures.  
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 6 May 2019

## 2. Hazards identification

### DANGER



3.1C, 6.3A, 6.4A, 6.8A

EPA Approval: HSR002662 Surface Coatings and Colourants (Flammable) Group Standard 2017  
Classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land.

### Hazard Statements:

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H320 Causes eye irritation.  
H360 May damage fertility or the unborn child

### Prevention Statements

P103 Read label before use.  
P202 Do not handle until all safety precautions have been read and understood  
P210 Keep away from open flames. No smoking.  
P233 Keep container tightly closed.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection

## Response Statements

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P370+P378 In case of fire: Use Foam, dry agent (carbon dioxide, dry chemical powder) for extinction.

## Storage Statements

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

P405 Store locked up.

## 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 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

Material	CAS No:	Content %
1-methoxy-2-propyl acetate	108-65-6	>60
n-methylpyrrolidone	872-50-4	10 – 30
Non-hazardous materials		Balance

## 4. First-aid measures

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

Ingestion:	Do not induce vomiting. Give water to drink providing patient is conscious. Obtain medical attention
Inhalation:	Remove to fresh air. If breathing has stopped, apply artificial respiration. Seek medical advice
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 immediately.
Notes to physician:	In case of ingestion or inhalation, keep victim under observation and treat symptomatically as indicated by the patient's condition.

## 5. Fire-fighting measures

Hazards from combustion:	On burning may emit toxic fumes including carbon monoxide
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. Flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. 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 and seal in properly labeled 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 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

Workplace Exposure Limits:	n-methylpyrrolidone TLV:TWA 25 ppm, 103mg/m <sup>3</sup> , STEL 75 ppm, 309 mg/m <sup>3</sup> (skin, 2001)
Engineering Control Measures:	Ensure ventilation is adequate. 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:	Partly
Specific Gravity:	0.95 – 1.05
Flash Point (°C):	45
Flammability Limits (%):	1.5 – 7.0
Boiling Point/Range (°C):	140 – 150
Colour	Water 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 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:	Low toxicity.
Eye contact:	Irritant. May cause excess redness and swelling of the conjunctiva.
Skin contact:	May cause slight irritation.
Inhalation:	Inhalation of the vapour may irritate the nose. In high concentrations may cause headache, nausea, dizziness, drowsiness and incoordination
Long Term Effects:	Prolonged or repeated overexposure to vapour may result in damage to nasal tissues and the upper respiratory tract
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 n-methylpyrrolidone: Oral LD50 (rabbit) 3500 mg/kg 1-methoxy-2-propyl acetate: Oral LD50 (rat) 8532mg/kg, Dermal LD50 (rabbit) 5000 mg/kg

## 12. Eco toxicological information

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

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

## 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 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 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.

## 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 RELATED MATERIAL

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 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-primary: 3 Flammable Liquid

Packing Group: III

Proper Shipping Name: PAINT RELATED MATERIAL

## 15. Regulatory information

HSNO Approval No: HSR002662

Group Standard: Surface Coatings and Colourants (Flammable) Group Standard

## **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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END OF SDS