

Safety Data Sheet



1. Identification

Product Name: Duracoat Rimu Sealer Hardener
Recommended use: Sealing and priming timbers such as Rimu, for subsequent over-coating with polyurethane or acid catalysed finish coat.
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
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020
Transport of Dangerous Goods.



Flammable Liquid Category 2, Skin Irritation Category 2, Skin sensitisation Category 1, Eye irritation Category 2, Reproductive toxicity Category 2, STOT (repeated exposure) Category 1, Aquatic toxicity (chronic) Category 4, Hazardous to terrestrial vertebrate

EPA Approval: HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2020
3.1B, 6.1E (O, I), 6.3A, 6.4A, 6.5B, 6.8B, 6.9A, 9.1D, 9.3C

Signal Word: DANGER

Hazard Statements:

H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child
H372: Causes damage to organs through prolonged or repeated exposure
H413: May cause long lasting harmful effects to aquatic life.
H433: Harmful to terrestrial vertebrates.

Precautionary Statements – Prevention:

- P102: Keep out of reach of children.
- P103: Read label before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/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.
- 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/eye protection/face protection.

Precautionary Statements – Response:

- P101: If medical advice is needed, have product container or label at hand.
- P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P312: IF INHALED: 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.
- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P312: Call a POISON CENTER or doctor/physician 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.
- P362: Take off contaminated clothing and wash before re-use.
- P370+P378: In case of fire: Use foam, dry powder, carbon dioxide.

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 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 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
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Material	CAS No	Content %
Aromatic polyisocyanate	26006-20-2	>60%
Toluene	108-88-3	10-30%
Toluene 2,4 diisocyanate	26471-62-5	<0.4%

4. First-aid measures

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

Ingestion:	Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Seek immediate medical assistance. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth.
Inhalation:	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. Remove victim from area of exposure - avoid becoming a casualty. IF exposed or concerned: Get medical advice/ attention.
Skin Contact:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.
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:	Dermatitis may result from prolonged or repeated exposure. Aspiration into the lungs may cause chemical pneumonitis. Causes central nervous system depression. Severe exposure may cause blurred vision, tremors, shallow and rapid breathing, delirium and unconsciousness.

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. Highly 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]E

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. 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, 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): TWA 0.02 mg/m ³ ; STEL 0.07 mg/m ³ . These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. Toluene: TWA 20 ppm, 75 mg/m ³ , STEL 100 ppm, 377 mg.m ³
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:	Avoid breathing the vapour or spray mist. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If spraying or there is an inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Avoid breathing dust when sanding, use a dust mask. 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:	Slightly
Specific Gravity:	1.00-1.05
Flash Point (°C):	4°C
Flammability Limits (%):	1.2 – 8
Boiling Point/Range (°C):	110°C
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 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:	Aspiration into the lungs may cause chemical pneumonitis which can be fatal.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin may result in irritation.
Inhalation:	Harmful by inhalation. Narcotic at high vapour concentrations. May irritate the respiratory tract. May cause headache, dizziness, nausea and narcosis. Over-exposure, especially during spraying operations 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.
Long term Effects:	Inhalation of aerosol droplets during spray application may cause respiratory sensitization of some susceptible workers with asthma like symptoms. Repeat exposure may lead to permanent respiratory disability. This substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.
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: toluene: Oral LD50 (rat): 636 mg/kg, Inhalation LC50 (rat): 12.5-28.8 mg/l Toluene diisocyanate: Oral LD50 (rat) 3060 mg/kg, Inhalation LC50 (mouse) 0.0691 mg/l

12. Ecological information

Avoid contaminating waterways. If product enters soil, it may contaminate ground water. Toxic to aquatic organisms.

Di-isocyanatotoluene (mixture of isomers) Acute Fish toxicity LC50 133 mg/l Species: *Oncorhynchus mykiss* (rainbow trout) Exposure duration: 96 h, Acute toxicity for daphnia EC50 12,5 mg/l Species: *Daphnia magna* (Water flea) Exposure duration: 48 h, Chronic toxicity to daphnia 1,1 mg/l Species: *Daphnia magna* (Water flea) Exposure duration: 21 d, Acute toxicity for algae ErC50 4.300 mg/l Species: *Chlorella vulgaris* (Fresh water algae) Exposure duration: 96 h ErC50 3.230 mg/l Acute bacterial toxicity EC50 > 100

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 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 programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

14. Transport information

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.



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: II

Proper Shipping Name: PAINT

Hazchem Code: 3[Y]E

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: 3.2 Flammable Liquid

Packing Group: II

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: II

Proper Shipping Name: PAINT

15. Regulatory information

EPA Approval: HSR002662 Surface Coatings and Colourants (Flammable) 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