Safety Data Sheet

1. Identification

Product Name:	Duracoat Rimu Sealer Resin
Other Names:	
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)
Facsimile:	+64 9 2740500
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, Acute toxicity oral Category 4, Skin Irritation Category 2, Eye irritation Category 2, Carcinogenicity Category 2, Reproductive toxicity Category 2, STOT (single exposure) Category 2, Aquatic toxicity (chronic) Category 4, Hazardous to terrestrial vertebrate, Hazardous to soil organisms

EPA Approval: HSR002669.
Surface Coatings and Colourants (Carcinogenic) Group Standard 2020
3.1B, 6.1D (Oral), 6.3A, 6.4A, 6.7B, 6.8B, 6.9B, 9.1D, 9.2D, 9.3C

Signal Word:
DANGER

Hazard Statements:

H225: Highly flammable liquid and vapour
H302: Harmful if swallowed.

H315: Causes skin irritation
H319: Causes serious eye irritation.
H351: Suspected of causing cancer
H361: Suspected of damaging fertility or the unborn child
H371: May cause damage to organs
H413: May cause long lasting harmful effects to aquatic life.
H423: Harmful to the soil environment
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.
P260: Do not breathe fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.
P281: Use personal protective equipment as required.*(see section 8)*

Precautionary Statements – Response:

P101: If medical advice is needed, have product container or label at hand.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P330: Rinse mouth.
P332+P313: If skin irritation 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, Carbon dioxide or dry powder.

Precautionary Statements – Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

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 hardener 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

Material	CAS No	Content %
Polyester resin		30 – 50
Toluene	108-88-3	10 – 20
Methyl ethyl ketone	78-93-3	10 – 20
Methyl isobutyl ketone	108-10-1	10 – 20
n-butyl acetate	123-86-4	10 – 20
Xylene	1330-20-7	< 10
Ethyl acetate	141-78-6	<10

4. First-aid measures

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

Ingestion:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting. Rinse mouth. Seek immediate medical assistance.
Inhalation:	Remove victim from area of exposure. 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 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.

5. Fire-fighting measures

Hazards from combustion:	On burning may emit toxic fumes.
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]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):
Methyl ethyl ketone: TWA 150 ppm, 445 mg/m³, STEL 300 ppm, 890 mg/m³
Methyl isobutyl ketone: TLV/TWA 50 ppm, 205 mg/m³, STEL 75 ppm, 307 mg/m³
Xylene: TLV/TWA 50 ppm, 217 mg/m³
n-butyl acetate TLV/TWA 150 ppm, 713 mg/m³, STEL 200 ppm, 950 mg/m³
toluene TWA 20 ppm, 75 mg/m³ STEL 100 ppm, 377 mg/m³
Ethyl acetate: TWA 200ppm, 720 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:	0.93
Flash Point (°C):	-4°C
Flammability Limits (%):	1.4-7.5
Boiling Point/Range (°C):	79°C
Colour	Milky 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.
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:	Slight irritant.
Inhalation:	Irritant. May cause headache, nausea, dizziness and narcosis.
Long term Effects:	Not a skin sensitiser. Repeated exposure may affect the liver and kidneys.
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 Toluene: Oral LD50 (rat): 636 mg/kg, Inhalation LC50 (rat): 12.5-28.8 mg/lt Methyl ethyl ketone: Oral LD50 (rat): 2737 mg/kg Methyl isobutyl ketone: Oral LD50 (guinea pig): 1600 mg/kg n-butyl acetate: Oral LD50 (rabbit): 3200 mg/kg, Inhalation LC50 (rat): 2.38 mg/lt Xylene: Oral LD50 (mouse): 1590 mg/kg, Inhalation LC50 (rat): 6350 ppm Ethyl acetate: Oral LD50 (mouse): 4100 mg/kg,

12. Ecological information

Avoid contaminating waterways. Expected to be toxic to aquatic organisms.

Xylene Rainbow trout EC50(96hr) 3.3mg/LP alaemonetes pugio(crustacea)EC50(48 hr)8.5 mg/L Skeletonema costatum(alga)EC50(72 hr) 10.0 mg/L

n butyl acetate: Acute Toxicity Fish: Fathead minnow LC50(96 hr) 18 mg/L, Brine shrimp EC50(48 hr) 32 mg/L, Daphnia magna EC50(48 hr) 44 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 let product enter the environment. Do not dispose of in waterways or sewers. Unwanted product should be reacted with appropriate quantity of hardener 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: HSR002669.
Surface Coatings and Colourants (Carcinogenic) 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