Safety Data Sheet

1. Identification

Product Name:	Duracoat AUSF and AUGF Resin Component
Other Names:	
Recommended use:	Two pack polyurethane coating for use in food processing, baking, beverage, dairy and meat industries.
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 3, Skin Irritation Category 3, Eye irritation Category 2, Carcinogenicity Category 2, Aquatic toxicity (chronic) Category 4

EPA Approval: HSR002669
Surface Coatings and Colourants (Flammable, Carcinogenic) Group Standard 2020
3.1C, 6.3B, 6.4A, 6.7B, 9.1D

Signal Word:
WARNING

Hazard Statements:
H226: Flammable liquid and vapour.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer
H413: May cause long lasting harmful effects to aquatic life.

Precautionary Statements – Prevention:

P103: Read label before use.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
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.
P264: Wash hands thoroughly after handling.
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:

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 or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+378: 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.
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 amount of hardener and 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 %
Polyacrylate containing hydroxyl groups		20 – 40
n-butyl acetate	123-86-4	5 - 15
1-methoxy-2-propyl acetate	108-65-6	5 - 10
Xylene	1330-20-7	< 5
Non-DG fillers		Balance

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. Seek immediate medical assistance.

Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.
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.
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.
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:	In case of fire: Use Foam, dry agent (carbon dioxide, dry chemical powder) for extinction
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 labeled 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 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): xylene: TLV/TWA 50 ppm, 217 mg/m³ n-butyl acetate TLV/TWA 150 ppm, 713 mg/m³, STEL 200 ppm, 950 mg/m³
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:	Clear viscous liquid
Solubility:	Negligible
Specific Gravity:	not classified
Flash Point (°C):	30
Flammability Limits (%):	1.2 – 7.5
Boiling Point/Range (°C):	127
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. Xylene: Oral LD50 (mouse) 1590 mg/kg, Inhalation (rat) 27.6 mg/l n-Butyl acetate: Inhalation LC50 (rat) 2.38 mg/l, Oral LD50 (rat) 3200 mg/kg 1-methoxy-2-propyl acetate: Oral LD50 (rat) 8532 mg/kg, Dermal LD50 (rabbit) 5000 mg/kg

12. Ecological 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
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
Xylene: Acute Toxicity fish: 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 reacted with appropriate amount of hardener and 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

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: 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, Carcinogenic) Group Standard 2022

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