Safety Data Sheet

UROXSYS

1. Identification

Product Name:	Dvise Fast, Dvise Standard, Dvise Slow
Recommended use:	Moisture cure single pack urethane adhesive
Uses advised against:	Product must not be sprayed or heated above 60°C.
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	24 February 2025

2. Hazards identification

GHS classification of the substance/mixture:
Classified as Hazardous according to Hazardous Substances (Hazard Classification) Notice 2020
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.

Acute Toxicity - Inhalation - Category 4, Skin Irritation Category 2, Eye irritation Category 2, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Carcinogenicity Category 2, Specific Target Organ Toxcity (single exposure) Category 3 (respiratory tract irritant), Specific Target Organ Toxcity (repeated exposure) Category 2.

EPA Approval: HSR002679
Surface Coatings and Colourants (Carcinogenic) Group Standard 2020
6.1D (i), 6.3A, 6.4A, 6.5A, 6.5B, 6.7B, 6.9B, 6.1E (Respiratory tract irritant).

Signal Word: DANGER

Hazard Statements:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation
H332: Harmful if inhaled
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351: Suspected of causing cancer
H335: May cause respiratory irritation
H373: May cause damage to organs through prolonged or repeated exposure.
Thixotropic liquid so won't be sprayed, no dust or mist

Precautionary Statements – Prevention:

P102: Keep out of reach of children
P103: Read label before use.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Avoid breathing fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P285: In case of inadequate ventilation wear respiratory protection. (*see section 8)*

Precautionary Statements – Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
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.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362: Take off contaminated clothing and wash before re-use.

Precautionary Statements – Storage:
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 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

Methylenediphenylene isocyanate prepolymer 39420-98-9 >60%
GHS: Acute Tox. 4 Inhalative,, Skin Irrit. 2,, Eye Irrit. 2,, Resp. Sens. 1, Skin Sens. 1, STOT RE 2

4,4′-Methylenebis(phenyl isocyanate) 101-68-8 10-30%
GHS: Acute Tox. 4 Inhalative, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2, STOT SE 3, STOT RE 2 Inhalative

Diphenylmethane diisocyanate, isomers & homologues 9016-87-9 <10%
GHS: Acute Tox. 4 Inhalative , Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2, STOT SE 3, STOT RE 2 Inhalative

4,4'-methylenediphenyl diisocyanate, oligomers 25686-28-6 <5%
GHS: Acute Tox. 4 Inhalative,, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2 , STOT SE 3, STOT RE 2

2,2'-Dimorpholinyldiethyl ether 6425-39-4 <2%
GHS: Skin Irritation Category 2, Skin Sensitizer Category 1

4. First-aid measures

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

Ingestion: Immediately rinse mouth with water. Do not induce vomiting. Seek medical assistance.

Inhalation: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing

Skin Contact: Wipe material from skin with cloth or absorbent paper. Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Traces of cured material (after water contact) is not considered hazardous. Do NOT remove with solvent. Allow to peel off naturally or hasten by soaking in tepid to warm water. 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. Effects may be delayed.

5. Fire-fighting measures

Suitable Extinguishing Media:	Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)
Hazards from combustion:	On burning may emit toxic fumes including those of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide. In the event of a fire do not breathe 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.
Hazchem Code:	Not applicable

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

Environment related measures

Do not allow to escape into waterways, wastewater or soil. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and material for containment and cleaning up

For small spills: Quickly wipe up material before it cures, with cloth or absorbent paper avoiding skin contact. 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 and seal in properly labelled containers for disposal. Wash area down with excess water. Cured material can only be removed by abrasion.

7. Handling and storage

Precautions for safe handling: This product must never be sprayed or heated. Avoid skin and eye contact. If using above 40°C ensure adequate ventilation or an organic vapour mask is worn.

Conditions for safe storage, including any incompatibilities

Store in a cool place and out of direct sunlight. Store away from alcohols, amines, moisture and sources of heat or ignition. Keep dry, reacts with water. 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) April 2022, for constituent(s): Isocyanates, all (as-NCO): TWA 0.02 mg/m3; STEL 0.07 mg/m3, WES values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. This product must never be sprayed or heated.
Biological Limit Values:	No biological limits allocated
Engineering Control Measures:	Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use in well ventilated area. Keep containers closed when not in use.
Personal Protective Equipment:	Avoid skin and eye contact and inhalation of vapour or spray. Wear overalls, safety boots, full-face visor and general purpose gloves (PVC). 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:	Amber Liquid
Odour:	Not established
Odour Threshold:	not established
pH:	not applicable
Melting/Freezing point:	not established
Boiling point/boiling range:	ca. 180 °C
Flash point:	>100 °C
Flammability (solid, gas):	not applicable
Upper/lower flammability or explosive limits:	not applicable
Vapour pressure:	not established
Vapour density:	not established
Specific gravity:	1.1
Solubility:	Insoluble
Partition coefficient (n−octanol/water):	not established
Auto-ignition temperature:	not applicable
Decomposition temperature:	not established
Kinematic viscosity:	not established
Particle characteristics:	not established

10. Stability and reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid contact with foodstuffs.
Incompatible materials:	Reacts with alcohols, acids, oxidizing agents and moisture.
Hazardous decomposition products:	Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. Toxicological information

Data sourced from raw material SDSs and/or CCID
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 may result in nausea and abdominal pain.

Eye contact: An eye irritant.

Skin contact: Contact with skin may result in irritation. May cause skin sensitization in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: May cause sensitization by inhalation.

Acute toxicity:
No LD50 data available for the product. However, for constituent:
4,4′-Methylenebis(phenyl isocyanate): Inhalation LC50 (rat) 0.369 mg/l/4 hr dust/mist, Oral LD50 (mouse) 2200 mg/kg. For Diphenylmethane diisocyanate, isomers & homologues &
4,4'-methylenediphenyl diisocyanate, oligomers: Inhalation LC50 (rat) 0.369 mg/l 4hr dust/mist
The test atmosphere is not representative of workplace environments and how it can reasonably be expected to be used. Therefore the test result cannot be directly applied for the purpose of assessing the hazard. The product must not be sprayed.

Skin Corrosion/Irritation:
This material has been classified as a Skin irritation, category 2 -Substances that are irritating to the skin.

Eye Corrosion/Irritancy:
This material has been classified as Eye irritation, category 2 -Substances that are irritating to the eye.

Sensitisation: Inhalation: this material has been classified as a Respiratory sensitisation category 1 -Substances that are respiratory sensitisers.
Skin: this material has been classified Skin sensitisation Category 1 -Substances that are contact sensitisers.

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as Carcinogencity category 2, Substances that are suspected human carcinogens.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as Specific Target Organ Toxcity (single exposure) Category 3 (respiratory tract irritant).

Specific target organ toxicity (repeated exposure): This material has been classified as Specific Target Organ Toxcity (repeated exposure) Category 2

Aspiration hazard: This material has been classified as non-hazardous as long as it is not sprayed or heated above 60°C.

12. Ecological information

Avoid contaminating waterways.

Material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100mg/l in most sensitive species).
Acute Fish toxicity ,
4,4′-Methylenebis(phenyl isocyanate), Diphenylmethane diisocyanate, isomers & homologues
4,4'-methylenediphenyl diisocyanate, oligomers LC50> 1.000 mg/l Test type: Acute Fish toxicity Species: Danio rerio (zebra fish) Exposure duration: 96 h Method: OECD Test Guideline 203

Acute toxicity for daphnia
4,4′-Methylenebis(phenyl isocyanate), Diphenylmethane diisocyanate, isomers & homologues
4,4'-methylenediphenyl diisocyanate, oligomers: EC50 > 1.000 mg/l Species: Daphnia magna (Water flea) Exposure duration: 24 h Method: OECD Test Guideline 202

Chronic toxicity to daphnia
4,4′-Methylenebis(phenyl isocyanate), Diphenylmethane diisocyanate, isomers & homologues
4,4'-methylenediphenyl diisocyanate, oligomers: NOEC (Reproduction) > 10 mg/l Species: Daphnia magna (Water flea) Exposure duration: 21 d Method: OECD Test Guideline 202.

Acute toxicity for algae
4,4′-Methylenebis(phenyl isocyanate, Diphenylmethane diisocyanate, isomers & homologues
4,4'-methylenediphenyl diisocyanate, oligomers): ErC50 > 1.640 mg/l Test type: Growth inhibition Species: scenedesmus subspicatus Exposure duration: 72 h Method: OECD Test Guideline 201

Persistence and degradability: Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available
Other adverse effects: Not available

13. Disposal considerations

Refer to Waste Management Authority. 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

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.

Marine Transport
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory information

EPA Approval: HSR002679
Surface Coatings and Colourants (Carcinogenic) Group Standard 2020

Certified Handler: Not Required.
Tracking : Not Required
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt

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.

Glossary
EPA: Environmental Protection Authority (NZ)
WES: NZ Work Exposure Standard
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
CCID: Chemical Classification & Identification Database (EPA)

END OF SDS