

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: **DUXSON POLYURETHANE**

Other Names: Available in Gloss, Satin and Flat Finishes.

Recommended Use: Duxson Polyurethane is a solvent based, urethane alkyd coating which can be applied by brush or spray. It is a single pack product that can be used as an interior coating on timber surfaces, which require a durable, water-resistant and hard wearing finish.

Supplier: FORDEX PTY. LTD. Trading as TRADEPAINTS

ABN: 52 106 096 655

Street Address: 142 Fitzgerald Road, Laverton North, Victoria 3026.

Telephone: Australia: 03 9369 3455 International + 613 9369 3455

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Mobile: Australia: 04 0733 8450 International + 614 0733 8450

Internet: Email: office@trade paints.com http://:www.trade paints.com

Emergency Number: 03 9369 3455
(Hours of operation 8.00am – 6.00pm, Monday to Friday.9.00am - 12.00noon Saturday)

2. HAZARDS IDENTIFICATION

Hazard Classification: Classified as a HAZARDOUS SUBSTANCE according to the criteria of NOHSC.
Classified as a DANGEROUS GOOD according to the Australian Dangerous Goods Code.

Risk Phrases:

- R10 - Flammable
- R38 - Irritating to skin.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 - Harmful. May cause lung damage if swallowed.
- R66 - Repeated exposure may cause skin dryness and cracking.
- R67 - Vapours may cause drowsiness and dizziness.

Safety Phrases:

- S2 - Keep out of reach of children.
- S23 - Do not breathe vapour or spray mist.
- S24 - Avoid contact with skin.
- S36/37 - Wear suitable protective clothing and gloves
- S61 - Avoid release to the environment. Refer to special instructions/safety data sheet.
- S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show this MSDS, container or label.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Mixed Hydrocarbon Solvent (typically White Spirit)	64742-82-1	30 – 60%
	Synthetic Polymer	Not available	30 – 60%
	Additives (Non- Hazardous)	Not available	< 5%

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4. FIRST AID MEASURES

Inhalation:	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a facemask if breathing is difficult. Seek medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth with water. Seek immediate medical attention.
Skin:	Wash affected area thoroughly with soap and water. If symptoms develop, seek medical attention.
Eye:	Wash with copious amounts of water, holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.
First Aid Facilities:	Eyewash and normal washroom facilities.
Advice to Doctor:	Treat the patient symptomatically.
Other Information:	For further advice, contact the Poisons Information Centre (131 126). Have a copy of this MSDS or label available.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry chemical powder, carbon dioxide, water spray or water fog. Do not use water jet.
Hazards from Combustion Products:	Under fire conditions, this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
Specific Hazards:	This product is flammable. Vapours are heavier than air and will 'travel' to low-level areas such as sumps, gutters, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures.
Precautions for Fire Fighters:	Firefighters should wear Self-Contained Breathing Apparatus (SCUBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.
Hazchem Code:	3[Y]
Initial Emergency Response Guide:	14

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Small spills - Collect in a container for disposal via licenced trade waste collection. Large spills - Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable, labelled container. Do not dilute material but contain. Dispose of waste according to Federal, State, Local and Environmental Protection Authority regulations. If the spilled material enters the waterways, contact the Environmental Protection Authority.
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7. HANDLING AND STORAGE

Precautions for Safe Handling:	Open containers cautiously as contents may be under pressure. Use only in a well ventilated area - prevent build up of mists or vapours in the atmosphere. Avoid inhalation of vapours and mists. Do not use near welding or other ignition sources and avoid sparks. Do not pressurize, cut, heat or weld empty containers as they may contain hazardous residues. Maintain high levels of personal hygiene.
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Precautions for Safe Storage:

Store in a cool, well-ventilated area away from sources of ignition, oxidizing agents, foodstuffs and clothing, and out of direct sunlight. Keep containers closed and tightly sealed when not in use. Protect containers against physical damage and inspect regularly for leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:

The Australian National Health and Safety Commission has not assigned a value for this specific material. However the following exposure standards have been assigned for the constituents:

Substance	ES - TWA		ES - STEL	
	ppm	mg/m ³	ppm	mg/m ³
White Spirits		790		
Other constituents		No assigned values.		

Biological Limit Values: Exposure Standard Information:

No biological limit allocated.

As published by the Australian National Health and Safety Commission (NOHSC) –
TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period, which should not be exceeded at any time during a normal eight-hour day.
These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous conditions of chemicals. They are not a measure of relative toxicity.

Engineering Controls:

Ventilation adequate to maintain the airborne contaminants below exposure standards is required. The ventilation system must be suitable for use with flammable/combustible materials. The use of a local exhaust ventilation system, drawing vapours, fumes, mists away from workers breathing zone is recommended. If the engineering controls are not sufficient to maintain concentrations of particulates and fumes below the exposure standards, suitable respiratory protection should be worn.

Personal Protective Equipment:

Respiratory Protection - If engineering controls are not effective in controlling airborne exposure, an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to the Standards: AS/NZS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 - Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection - Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform to the Standard: AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand protection - Wear gloves of impervious material, e.g. laminated film, nitrile or other suitable gloves conforming to the Standard: AS/NZS 2161 – Occupational Protective Gloves.
Body Protection - Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist and safety footwear. When large quantities are handled, the use of plastic aprons and rubber boots should be considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Flammable liquid, which may be clear or coloured. Does not mix with water.
Odour:	Solvent.
pH Value:	Not available.
Vapour Pressure:	0.8 kPa (for solvent)
Vapour Density (Air = 1):	4.6 (for solvent)
Boiling Point (°C):	147°C (for solvent)

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Melting Point (°C):	Not available.
Solubility:	Insoluble in water. Soluble in inorganic solvents.
Specific Gravity:	0.8 – 1.0
Flammability:	Flammable liquid
Flash Point:	36°C TCC (for solvent)
Flammable Limits (in air):	Lower - 0.9%. Upper - 7.0% (for solvent)
Ignition Temperature:	Not available
Evaporation Rate:	0.16 (for solvent) [Butyl Acetate = 1]

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat, direct sunlight, open flames or sources of ignition.
Incompatible Materials:	Halogens, molten Sulphur and strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, fumes and smoke.
Hazardous Reactions:	Reacts with halogens, molten Sulphur and strong oxidizing agents.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:	Not available for this specific product.
Inhalation:	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Vapours may cause drowsiness and dizziness.
Ingestion:	Harmful – may cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation of the mouth, throat, esophagus and stomach with nausea, abdominal discomfort, vomiting and diarrhea.
Skin:	Irritating in contact with skin. May cause redness, itching and inflammation. Repeated exposure may cause skin dryness and cracking.
Eye:	May cause eye irritation, tearing, stinging, blurred vision and redness.
Chronic Effects:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic organisms - may cause long-term adverse effects in the aquatic environment.
Persistence/Degradability:	Not available for this product.
Mobility:	Not available for this product.
Environmental Protection:	Do not allow material to enter drains, waterways or sewers.

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13. DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose of all waste according to Federal, State and Local government, and EPA regulations. Advise of flammable nature where appropriate. Do not pour leftover paint down the drain. Labels should not be removed from containers until they have been cleaned as containers may still contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

14. TRANSPORT INFORMATION

U.N. Number: 1263
Proper Shipping Name: Paint
D.G. Class and Subsidiary Risk: 3
Packing Group: III
Hazchem Code: 3[Y]
Special precautions: This material is a Class 3, Flammable Liquid according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 Flammable Liquids are incompatible in a placard load with any of the following:
Class 1 - Explosives.
Class 2.1 - Flammable gases, if both the Class 3 and Class 2.1 are in bulk.
Class 2.3 - Toxic gases.
Class 4.2 - Spontaneously Combustible Substances.
Class 5.1 - Oxidising Agents
Class 5.2 - Organic Peroxides
Class 6 - Toxic Substances (where the flammable liquid is nitromethane).
Class 7 - Radioactive Substances

15. REGULATORY INFORMATION

Poisons Schedule: None allocated
Hazard Category: Harmful, Irritant.

16. OTHER INFORMATION

Contact Person/Point: For further information, contact:
Mr. Alan Duxson
Business hours: 03 9369 3455
After hours/mobile: 04 0733 8450

End of MSDS.

DISCLAIMER: This information is based on data believed by Fordex Pty Ltd to be accurate at the time of writing but subject to change without notice. No warranty is expressed or implied as to its accuracy or completeness. Since Fordex cannot control the conditions under which this product is used, it will not accept any responsibility for any damages from the use or reliance on this information.