

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DURO MASTIC™ PU SEALANT

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Classified as **Hazardous** according to criteria of NOHSC¹ and **Not Dangerous Goods** according to the ADG² Code

UN No.....	None Allocated	D.G. Glass.	None Allocated	Pack. Group...	None Allocated
HAZCHEM	None Allocated	SUB.RISK.	None Allocated	SUSDP.....	None Allocated

PROPER SHIPPING NAME: Duro Mastic™ PU Sealant

PRODUCT USE: A low modulus 1 part construction sealant

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
Toluene diisocyanate	584-84-9	<0.5
Non- hazardous ingredients	-	balance

See Section 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of NOHSC Australia.

Hazard Category:

Xn Harmful

Risk Phrase:

R20 Harmful by inhalation
 R42 May cause sensitisation by inhalation

Safety Phrase:

S23 Do not breathe vapour.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S38 In case of insufficient ventilation, wear suitable respiratory equipment.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (phone Australia 131 126).

Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Take off all contaminated clothing. Wash contaminated area with soapy warm water. Get medical advice if irritation develops or persists. Wash contaminated clothing and clean shoes before reuse.

Inhalation: Remove to fresh air. If breathing is laboured, ensure airways are clear and give oxygen. In the event of a cardiac arrest, apply external cardiac massage and consult a physician immediately.

Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

Ingestion: Consult a physician immediately. DO NOT induce vomiting. Give a glass of water to drink. If vomiting occurs, aspiration into the lungs may cause lung damage. Never give anything by mouth to an unconscious person.

Advice to Doctor: Treat symptomatically. Effects may be delayed.

5. FIRE FIGHTING MEASURES

Flash Point	43 °C Solids
Auto-ignition Temperature	Not specified
Lower Explosive Limit	Not specified
Upper Explosive Limit	Not specified

Specific Hazards:

Combustible liquid.

Suitable Extinguishing Media:

Use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide or dry chemical powder).

Protective Equipment for Fire Fighting:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Provide sufficient ventilation. Wear appropriate personal protective equipment including gloves and safety glasses. Floor may be slippery. Do not breathe vapour. Contain spill. Do not allow into drains or waterways. If contamination of sewers or waterways has occurred advise local emergency services.

Take up with absorbent material (e.g. sand, vermiculite, or commercially available inorganic absorbent). Use non-sparking tools and equipment. Fill into marked, sealable containers for disposal. Dispose of empty containers in accordance with federal, state and local laws.

7. HANDLING AND STORAGE

Requirements.

Handling: Observe normal standards of industrial hygiene for handling chemicals. Eliminate all sources of ignition. Use in a well-ventilated area. Avoid breathing vapour and contact with skin and eyes. Wear gloves, long sleeved shirt, and eye protection. A sensitised person should not be exposed to the product.

Storage: Store in tightly sealed containers to protect from atmospheric moisture. Store away from water, alcohols, amines, acids and bases. Store in a cool, dry area. Keep away from ignition sources such as fire, flame and sparks. Check regularly for leaks

Empty container warning: Do not reuse empty drums or containers.

Other Precautions: Do not eat, drink or smoke when using the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Information

Component	NOHSC ¹			
	TWA		STEL	
	(ppm)	(mg/m ³)	(ppm)	(mg/m ³)
Isocyanates	-	0.02	-	0.07
Additives	-	a	-	a

a = not listed

TWA = Time Weighted Average

STEL= Short Term Exposure Limit

¹ National Occupational Health and Safety Commission (Australia)

Respiratory Protection: If vapours and mists occur, a respiratory protection program meeting Australian Standards AS-1716 and AS-1715 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information"

Eye Protection: Use chemical splash goggles (Australian Standard AS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed. An eye wash station and safety shower should be available in the work area.

Hand Protection: Impermeable gloves as necessary to prevent skin contact. E.g. nitrile or neoprene gloves.

Engineering Controls (Ventilation): Use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard AS-1668.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour	Grey
State	Thixotropic Paste
Odour Characteristic	Aromatic solvent odour
pH	Not applicable
Viscosity	No data available
Specific Gravity (20 °C)	1.26
Vapour Density (Air = 1)	No data available
Vapour Pressure(20 °C)	No data available
Melting Point	Not specified
Boiling Point	N/A
Solubility in Water	N/A.
Flash Point(°C)	43(solids)

10. STABILITY AND REACTIVITY

Chemical stability: Considered thermally stable when stored and used as directed.

Conditions to avoid: Avoid high temperatures.

Incompatible materials: Water, alcohols, amines, acids and bases.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes- may include isocyanates.

Hazardous reactions: Will react exothermically with water and all organic compounds containing active hydrogen groups.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this safety Data Sheet. Symptoms or effects that may arise if the product is mishandled or overexposure occurs are:

Acute Data

Inhalation: Vapours are harmful if inhaled. A respiratory sensitiser. Can cause possible allergic reactions.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Skin irritation: May cause irritation resulting in redness, rash and itching. Wash thoroughly with soap and water.

Eyes irritation: May cause irritation if not washed out immediately. Seek medical advice if irritation persists.

12. ECOLOGICAL INFORMATION

No available data. However, material is expected to be harmful to aquatic organisms. Keep out of waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Containers are hazardous when empty. Do not reuse empty drums or containers unless professionally cleaned. Do not cut, drill, grind or weld on or near empty containers. Dispose of waste and empty containers in accordance with federal, state and local laws.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (Sixth Edition). See section 1.

15. REGULATORY INFORMATION

Poisons schedule: Not applicable

16. OTHER INFORMATION

¹ National Occupational Health and Safety Commission – Australia

² Australian Codes for the Transport of Dangerous Goods by Road and Rail (Sixth Edition).

The advice and information contained herein is based on the original supplier's information. Durotech Industries believes the information to be accurate and reliable as at the date supplied, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability, or completeness of the advice and information. Durotech Industries urges persons receiving this advice and information to make their own determination as to the advice and information's suitability and completeness for their own particular situation.

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