

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Duromix™ Hibuild WBE Pack A

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Classified as **Hazardous** according to criteria of ASCC¹ and **Not Dangerous Goods** according to the ADG² Code for storage on Road & Rail Transport.
 Classified as **Dangerous Goods** for marine Transport.

UN NO.....:	3082	D.G. Class.:	9	Pack. Group...:	III
HAZCHEM:	3Z	SUB. RISK.:	None allocated	SUSDP.....:	5

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)

PRODUCT USE: Surface coating.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
Epoxy resin	25068-38-6	30-60
Inorganic pigments and extenders	Not required	10-30
Additives	*	<5
Water	Not required	30-60

* substances either not classified as hazardous or below relevant concentration cut-offs.

See Section 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

May cause sensitisation by skin contact.
 Irritating to eyes and skin.

4. FIRST AID MEASURES

Eyes:	Immediately flush with water for 15 minutes. Get medical attention if irritation develops or persists.
Skin:	Take off all contaminated clothing. Wash contaminated area with soapy warm water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Inhalation:	Remove to fresh air. Apply resuscitation if victim is not breathing. Give oxygen if breathing is difficult. Get medical attention.
Ingestion:	Do NOT induce vomiting. Rinse mouth thoroughly. Give water to drink. Never give anything by mouth to an unconscious person. Call a doctor immediately. A decision to induce vomiting should be made by medical personnel.
Further Advice:	Contact a doctor or the Poisons Information Centre. Call Australia, 13 1126.

5. FIRE FIGHTING MEASURES

Flash Point	No data
Auto-ignition Temperature	No data
Lower Explosive Limit	Not applicable
Upper Explosive Limit	Not applicable

Suitable Extinguishing Media:

Alcohol resistant foam is the preferred fire fighting medium but, if it is not available, normal foam can be used.

Protective Equipment for Fire Fighting:

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

Fire Fighting Procedures:

Use water spray to cool exposed containers. Stay up-wind and fight fire from a safe distance. Prevent spillage from entering drains or watercourses.

Decomposition Products:

Decomposes with fire to give off toxic and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Caution: floor may be slippery. Wear suitable protective equipment and clothing to prevent eye and skin contact. Contain spill. Do not allow into drains or waterways. Take up with inert absorbent material (e.g. sand, dirt, or vermiculite). Fill into marked, sealable containers for disposal. Dispose of empty containers in accordance with federal, state and local laws.

Large Spills: Notify Emergency Services and advise nature of spill and material hazard. Isolate area.

7. HANDLING AND STORAGE

Handling – Avoid inhaling vapour and/or mists. Avoid contact with skin, eyes, and clothing.

Storage – Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Information

Component	ASCC ¹			
	TWA		STEL	
	(ppm)	(mg/m ³)	(ppm)	(mg/m ³)
Epoxy resin	a	-	a	-

a = not listed

TWA = Time Weighted Average

STEL= Short term Exposure Limit

¹ Australian Safety and Compensation Council

Respiratory Protection

In case of vapours or dust, a respiratory protection program meeting Australian and New Zealand Standards AS/NZS-1715 and AS/NZS -1716 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 and New Zealand Standards AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection

Chemical resistant gloves and protective clothing as necessary to prevent skin contact.

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	White, viscous
State	Liquid
Odour Characteristic	Characteristic
pH	Not specified
Viscosity	Not specified
Specific Gravity (Water = 1)	1-1.5
Vapour Density (Air = 1)	No data
Vapour Pressure	No data
Melting Point	No data
Boiling Point	No data
Solubility in Water	Dispersible
Flash Point	No data

10. STABILITY AND REACTIVITY

Considered stable under normal conditions of use and handling.

Hazardous decomposition products:

Oxides of carbon. Decomposition by heat may give off toxic and irritating fumes.

Materials to avoid:

Acids, bases, oxidising agents, amines, polymerisation initiators.

Polymerisation:

This product may undergo polymerisation in the presence of an amine. Polymerisation may be accompanied by liberation of heat. If the product is seen to be heating up, treat as a fire incident.

11. TOXICOLOGICAL INFORMATION

No toxicity data available for product.

Epoxy resin toxicity data. (supplier data)

Bisphenol A-(epichlorohydrin), reaction product Conc \geq 5%: Xi; R36/38; R43.

LD50 (Oral), Rat >5000mg/kg LD50 (Dermal), Rabbit 20,000mg/kg

Except for skin sensitivity, repeated exposure is not expected to cause any adverse skin effects.

Not classified as carcinogenic by ASCC, IARC or NTP.

No evidence of Development, reproductive or genetic toxicity.

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, May cause long-term adverse effects to the aquatic environment.

Keep out of waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Do not empty into drains or waterways.

Dispose of empty containers in accordance with federal, state and local laws.

14. TRANSPORT INFORMATION

Material is a Marine Pollutant. The material is not subject to the provisions of the Australian Code For The Transport Of Dangerous Goods By Road And Rail (Seventh Edition) when transported by road and rail unless transported in bulk of more than 500 kg or litres. See ADG Code¹ Special Provision AU01.

15. REGULATORY INFORMATION

Workplace Labelling Requirements:

According to Criteria of the Australian Safety and Compensation Council.

Risk Phrases

- | | |
|--------|--|
| R43 | May cause sensitisation by skin contact. |
| R36/38 | Irritating to eyes and skin. |

Safety Phrases

- | | |
|--------|---|
| S24/25 | Avoid contact with skin and eyes. |
| S37/39 | Wear suitable gloves and eye/face protection. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S28 | After contact with skin, wash immediately with plenty of soap and water. |

16. OTHER INFORMATION

¹ Australian Safety and Compensation Council

² Australian Dangerous Goods Code – Seventh Edition

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