

MZ3 Pty Ltd

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MATERIAL SAFETY DATA SHEET

This MSDS supersedes MSDS dated 1/9/2003

IDENTIFICATION**PRODUCT NAME****RESOBOND****A3/A3W/RF/FJR**

OTHER NAMES: Resorcinol Formaldehyde
Pre-Polymer

UN Number:	n/a
Class:	n/a
Subsidiary Risk:	n/a
Packaging Group:	n/a
EPG:	n/a
Hazchem Code:	n/a
Poison Schedule:	n/a

Non-Hazardous according to criteria of Worksafe Australia

PRODUCT CODE: n/a

USES: Base component of two part timber adhesive. Used with hardener P4, P6, PD4 or ZT50.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red liquid

BOILING POINT: 100°C

VAPOUR PRESSURE: 17mmHg

SPECIFIC GRAVITY: 1.071

FLASH POINT: None

% VOLATILES: 42-50%

MELTING POINT: No data available

VAPOUR DENSITY: Not pertinent

SOLUBILITY (WATER): Soluble

EXPLOSION LIMITS: None

pH: 8.5-10

INGREDIENTS

Resorcinol formaldehyde polymer		30-60%
Ethanol	64-17-5	10-30%
Diethylene glycol	111-46-6	<1%
Water	7732-18-5	balance

HEALTH HAZARD INFORMATION**ACUTE:****INGESTION**

Irritating to the stomach and has toxic effects if ingested in sufficient quantity. Ingestion may result in symptoms of intoxication, headache, dullness, abdominal spasm and diarrhoea.

EYE

Irritating.

SKIN

Irritating. Contact with the product may defat the skin and contribute to dermatitis.

INHALATION

This product contains ethanol and vapours may be irritating to the eyes, nose and throat and may cause headache at higher concentrations.

Health Hazard Information continued.....

CHRONIC

Inhalation and ingestion are the routes of entry into the body. The product defats the skin and prolonged or repeated contact may contribute to dermatitis.

Ethanol: LDLo (oral, human): 1400mg/Kg; LD50 (oral, rat): 7060mg/Kg; LC50 (inhaled, rat): 20000ppm/10H;

LDLo (skin, rabbit): 20g/Kg.

Diethylene glycol: LDLo (oral, human): 1g/Kg; LD50 (oral, rat): 12565mg/Kg; LD50 (skin, rabbit): 11890mg/Kg.

ADVICE TO DOCTOR

Treat symptomatically.

FIRST AID PROCEDURES

INGESTION

NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING.

If person is conscious, rinse mouth out with water ensuring that mouth wash is not swallowed.

Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek medical attention.

EYE

Hold eyelids open and rinse the eye continuously with a gentle stream of clean running water for at least fifteen minutes. Seek medical attention.

SKIN

Remove contaminated clothing and wash thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists. Launder affected clothing before re-use.

INHALATION

Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek medical attention if any symptoms persist.

PRECAUTIONS FOR USE

ENGINEERING CONTROL

Ventilation requirements depend on the quantity of product in use and the method of application.

Work area should have good, mechanical ventilation. In confined spaces or poorly ventilated areas local exhaust ventilation may be required.

PERSONAL PROTECTION

Safety glasses or goggles, neoprene gloves and overalls. A half face respirator with organic vapour filter is required unless the area is well ventilated.

N.B. TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

FLAMMABILITY

Non-flammable due to the water content however, the ethanol may evolve some flammable vapours.

May evolve toxic fumes if heated to decomposition or burned in a fire situation.

EXPOSURE STANDARDS

Ethanol (64-17-5): E.S. TWA: 1000ppm / 1880mg/m³

SAFE HANDLING PROCEDURES**STORAGE**

Transport is not regulated. Store out of direct sunlight in a cool well ventilated area below 25°C.
Keep tightly sealed when not in use and protect against physical damage.

SPILLS & DISPOSAL

SPILLS: Cover with an absorbent such as earth, sand or a commercial oil absorber.

Sweep up and collect. Dispose of residue to approved land-fill.

DISPOSAL: If possible, return to supplier. Otherwise, dispose to approved land-fill.

FIRE EXPLOSION

Non-flammable due to the water content however, the ethanol may evolve some flammable vapours.

May evolve toxic fumes if heated to decomposition or burned in a fire situation.

Wear self contained breathing apparatus.

Extinguish using whatever is suitable for the primary cause of the fire.

OTHER INFORMATION

N/A

CONTACT POINT

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