

MATERIAL SAFETY DATA SHEET

JAXXON 5525 LIGHTWEIGHT EPOXY MORTAR NATIONAL MAINTENANCE PRODUCTS Pty Ltd

STATEMENT OF HAZARDOUS NATURE

Considered toxic according to criteria of Worksafe Australia. Not considered hazardous if used as per instructions.
DOES NOT CONTAIN CARCINOGENS

COMPANY DETAILS

Company: National Maintenance Products Pty Ltd. ACN 097 487 637
Address: 19 Miltiadis St, Acacia Ridge Qld 4110
PO Box 8149, Woolloongabba, Qld 4102
Phone/Fax: Ph: 1300 66 33 17, Int. Ph: +61 7 3216 7388, Fax: + 61 7 3216 7488
Emergency Telephone No: + 61 7 3216 7388

IDENTIFICATION

Product Name:	JAXXON 5525 (Base and Cure).	UN Number:	3082
Other Names:	None.	Dangerous Goods Class & Subsidiary Risk:	Class 9 (base)
Manufacturers Product Code:	JAXXON 5525.	Hazchem Code:	None Allocated
Pack Size:	4 or 8L Kit.	Poisons Schedule Number:	S5
		Packing Group:	III

PHYSICAL DESCRIPTION/PROPERTIES:

BASE:

Appearance:	Highly viscous epoxy paste with slight characteristic epoxy odour.	Flashpoint:	>150°C.
Packaging:	Packaged in it's own 5L (4L kit) or 10L (8L kit) plastic container with press fit lid.	Freezing Point:	Not applicable.
Boiling Point:	Not applicable.	Flammability Limits:	Not applicable.
Melting Point:	Not applicable.	Specific Gravity:	1.11.
Vapour Density:	Not applicable.	Auto ignition Temp:	Not applicable.
Solubility in Water:	Negligible.		
Density @ 20°C:	1.11kg/L.		

CURE:

Appearance:	Highly viscous paste with slight ammoniacal odour.	Flashpoint:	>100°C.
Packaging:	Packaged in it's own 2L (4L kit) or 10L (8L kit) plastic container with press fit lid.	Freezing Point:	Not applicable.
Boiling Point:	Not applicable.	Flammability Limits:	Not applicable.
Melting Point:	Not applicable.	Specific Gravity:	0.98.
Vapour Density:	Not applicable.		
Solubility in Water:	Negligible.		

OTHER PROPERTIES:

Curing Time: Touch dry 8hrs @ 25°C. Hard 16hrs @ 25°C. Time will double for a 10°C decrease, and half for a 10°C increase.
Storage Life: Minimum 24 months.
Spread Rate: 0.5sq. m/L @ 2000 microns.
Pot Life: Approx 50mins @ 25°C.
Minimum Cure Temperature: 5°C.
VOC: Base: Zero. Cure: Max 0.5%.

INGREDIENTS:

BASE:

INGREDIENT	CAS NUMBER	PROPORTION %
Epoxy resin liquid polymer	28064-14-4	40 – 70
The remaining products are trade secrets		to 100

CURE:

INGREDIENT	CAS NUMBER	PROPORTION %
Cycloaliphatic amine		10 – 20
The remaining products are trade secrets		to 100

HEALTH HAZARD INFORMATION

HEALTH EFFECTS:

BASE:

RISK PHRASES (of product in liquid form):
R36/38 – Irritating to eyes and skin.
R43 – May cause sensitisation by skin contact.
Toxicity – Slightly toxic.
Dot. Corrosivity – Not corrosive.

Date of Issue: Apr 08

SAFETY PHRASES (of product in liquid form):

S24/S25 – Avoid contact with skin and eyes.

S26 – In case of contact with eyes, rinse immediately with plenty of water.

S28 – After contact with skin, wash immediately with plenty of soap-suds.

S37/39 – Wear suitable gloves and eye/face protection.

S61 – Avoid release to the environment.

First Aid Recommendations:

Skin and Eye Contact – Immediately flush eyes with fresh water holding lids apart for 15 minutes, washing within one minute is essential to achieve maximum effectiveness. Remove from skin using soap and water. Remove contaminated shoes and clothing. Call a physician.

Ingestion – Do not induce vomiting. Prevent aspiration (breathing) liquid into lungs. Get medical attention.

Inhalation – Immediately move to fresh air. If breathing is difficult, give oxygen. Call a physician.

CURE:

RISK PHRASES (of product in liquid form):

R21/22 – Harmful in contact with skin and if swallowed.

R38 – Mild skin irritant.

R43 – May cause sensitisation by skin contact.

Toxicity – Slightly toxic.

Dot. Corrosivity – Not corrosive.

Potential Health Effects:

Inhalation, Skin Contact, Ingestion - May cause central nervous system effects such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

SAFETY PHRASES (of product in liquid form):

S24/25 – Avoid contact with skin and eyes.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27/28 – In case of skin contact, take off all contaminated clothing and wash immediately with plenty of soap suds.

S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection.

S45 – In case of accident or if you feel unwell, seek medical advice immediately.

First Aid Recommendations:

Skin and Eye Contact – Immediately flush eyes with fresh water holding lids apart for 15 minutes, washing within one minute is essential to achieve maximum effectiveness. Remove from skin using soap and water. Application of corticosteroid cream has been effective in treating skin irritation. Remove contaminated shoes and clothing. Call a physician.

Ingestion – Danger! Do not take internally. May cause gastrointestinal irritation or ulceration. May cause burns of mouth and throat. Do not induce vomiting.

Give a large quantity of milk or water. Do not give fluids to an unconscious person. Call a physician.

Inhalation – Immediately move to fresh air. If symptoms persist, call a physician.

PRECAUTIONS FOR USE

Exposure Standards:

None known – use blanket limit of 10mg/m³ TWA established by Workplace Australia (unlikely to be reached during use).

Engineering Controls:

Mechanical local exhaust at point of contaminant release if conditions warrant.

Personal Protection:

Wear impervious gloves; wear chemical resistant safety goggles if eye contact possible; wear overalls. It is extremely unlikely that harmful concentrations of volatile materials will be released during normal applications by spreaders, trowels, or similar tools in open areas. Wear organic vapour cartridge respirator or fresh air hood if working in enclosed spaces with minimal ventilation.

SAFE HANDLING INFORMATION

Storage and Transport:

General good practice required. Store at ambient conditions. Avoid extremes. Class 9, Packing Group III, UN No 3082.

Spills:

Construct a dike to prevent spreading. Scrape up and place in suitable container for disposal. Wash area with solvent.

Disposal:

Dispose in industrial disposal. Comply with local, state and federal laws and regulations.

Fire or Explosion Hazard:

Generation of toxic products. Use water spray, foam or dry chemical to fight fire. Not susceptible to explosion.

OTHER INFORMATION

Ecotoxicity data:

BASE: Fish – LC/EC/IC 50 ≤ 1mg/L, Invertebrates and Algae – LC/EC/IC 50 = 1-10mg/L.

CURE: Toxicity of some components to various species of fish, daphnia and algae. LC 50 ranging from 6.8mg/L (daphnia) to 700mg/L (algae) - (for component containing cycloaliphatic amine. No data available on mixture).

Toxicological information:

BASE: Oral – LD50 >2000mg/kg, Dermal – LD50 >2000mg/kg.

(for component containing epoxy polymer. No data available on mixture).

CURE: Oral – LD50 (Rat) 1200mg/kg (for component containing cycloaliphatic amine. No data available on mixture).

Incompatible Materials:

Avoid contact with strong acids and bases, oxidising agents, reactive metals, sodium hypochlorite.

Hazardous Decomposition:

BASE: CO₂, CO.

CURE: Oxides of nitrogen and carbon, acids, ammonia.

Conditions to avoid:

Mixing large volumes of base and cure ... expect a significant exotherm within 20-25 minutes at 25°C.

CONTACT POINT

Technical Services Information Officer: + 61 7 3216 7388

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, National Maintenance Products Pty Ltd. assumes no liability for the accuracy and completeness of the information contained herein. Final determination of suitability of this material is the sole responsibility of the user. All materials present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.