

## MATERIAL SAFETY DATA SHEET

# JAXXON 1535 KEVLAR® -REINFORCED PROTECTIVE COATING 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 1535 (Base and Cure). UN Number: None Allocated  
Other Names: None. Dangerous Goods Class & Subsidiary Risk: None Allocated  
Manufacturers Product Code: JAXXON 1535. Hazchem Code: None Allocated  
Pack Size: 4 or 8L Kit. Poisons Schedule Number: S5

### PHYSICAL DESCRIPTION/PROPERTIES:

#### BASE:

Appearance: Epoxy paste with slight characteristic epoxy odour.  
Packaging: Packaged in it's own 5L (4L kit) or 10L (8L kit) plastic container with press fit lid.  
Boiling Point: Not applicable. Flashpoint: >150°C.  
Melting Point: Not applicable. Freezing Point: Not applicable.  
Vapour Density: Not applicable. Flammability Limits: Not applicable.  
Solubility in Water: Negligible. Specific Gravity: 1.4.  
Density @ 20°C: 1.4kg/L. Auto ignition Temp: Not applicable.

#### CURE:

Appearance: Amber, low-viscosity liquid with slight ammoniacal odour.  
Packaging: Packaged in it's own 2L (4L kit) or 5L (8L kit) plastic container with press fit lid.  
Boiling Point: Not applicable. Flashpoint: >100°C.  
Melting Point: Not applicable. Freezing Point: Not applicable.  
Vapour Density: Not applicable. Flammability Limits: Not applicable.  
Solubility in Water: Negligible. Specific Gravity: 1.05.

### 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: 4sq. m/L @ 250 microns.  
Pot Life: Approx 45mins @ 25°C.  
Minimum Cure Temperature: 5°C.  
VOC: Base: Zero. Cure: Zero.

### INGREDIENTS:

#### BASE:

INGREDIENT	CAS NUMBER	PROPORTION %
Epoxy resin liquid polymer	25068-38-6	40 – 70
The remaining products are trade secrets		to 100

#### CURE:

INGREDIENT	CAS NUMBER	PROPORTION %
Cycloaliphatic amine		30 – 60
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: Jan 07

**SAFETY PHRASES (of product in liquid form):**

S24/S25 – Avoid contact with skin and eyes.  
 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/m <sup>3</sup> 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. Transport as non-hazmat.
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: None known. 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).
Toxicological information:	BASE: Oral – LD50 (Rat) >5000mg/kg, Dermal – LD50 (Rabbit) >20,000mg/kg. (for component containing epoxy polymer. No data available on mixture). CURE: Oral – LD50 (Rat) 1200mg/kg.
Incompatible Materials:	Avoid contact with strong acids and bases, oxidising agents, reactive metals, sodium hypochlorite.
Hazardous Decomposition:	BASE: CO <sub>2</sub> , 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.