

## MATERIAL SAFETY DATA SHEET

### ARTEPOX 130 DECORATIVE, LOW-VISCOSITY CLEAR RESIN 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

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#### IDENTIFICATION

Product Name: **ARTEPOX 130** Decorative, Low-viscosity Clear. UN Number: 2735  
Other Names: None. Dangerous Goods Class & Subsidiary Risk: Class 8 (cure)  
Manufacturers Product Code: **ARTEPOX 130**. Hazchem Code: None Allocated  
Pack Size: 8L Kit. Poisons Schedule Number: S5  
Packing Group: III

#### PHYSICAL DESCRIPTION/PROPERTIES:

##### BASE:

Appearance: Clear, low-viscosity liquid with characteristic epoxy odour.  
Packaging: Packaged in it's own 10L plastic container with press fit lid.  
Boiling Point: Not applicable. Flashpoint: >150°C.  
Melting Point: Not applicable. Vapour Density: Not applicable.  
Flammability Limits: Not applicable. Auto ignition Temp: Not applicable.  
Solubility in Water: Negligible. Specific Gravity: 1.11.

##### CURE:

Appearance: Clear, low-viscosity liquid with slight ammoniacal odour.  
Packaging: Packaged in it's own 5L plastic container with press fit lid.  
Boiling Point: >200°C. 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: 1.04.

#### OTHER PROPERTIES:

Curing Time: Touch dry 6hrs @ 25°C. Hard 15hrs @ 25°C. Time will double for a 10°C decrease, and half for a 10°C increase.  
Storage Life: Minimum 24 months.  
Spread Rate: 5sq.m/L @ 200 microns.  
Pot Life: Approx 45mins @ 25°C.  
Minimum Cure Temperature: 5°C.  
VOC: <0.5% (total).

#### INGREDIENTS:

##### BASE:

INGREDIENT	CAS NUMBER	PROPORTION %
Epoxy resin liquid polymer	25068-38-6	50 – 70
The remaining products are trade secrets		to 100

##### CURE:

INGREDIENT	CAS NUMBER	PROPORTION %
Cyclohexanamine	1761-71-3	20 – 40
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.  
R51/53 – Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

##### 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):**

R20 – Harmful by inhalation.  
R34 – Causes burns.  
R41 – Risk of serious damage to eyes.  
R43 – May cause sensitisation by skin contact.  
Toxicity – Slightly toxic.  
Dot. Corrosivity – Corrosive.

**Potential Health Effects:**

Inhalation, Skin Contact, Ingestion - Corrosive to eyes and skin. Repeated and/or prolonged exposures may result in: adverse respiratory effects (such as cough, tightness of chest or shortness of breath), adverse eye effects (such as conjunctivitis or corneal damage), adverse skin effects (such as defatting, rash, irritation or corrosion). Effects from inhalation of vapours may be delayed.

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

S20 – When using, do not eat or drink.  
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.  
S28 – After skin contact, wash immediately with plenty of soap suds.  
S36/39 – Wear suitable protective clothing and eye/face protection.  
S38 – In case of insufficient ventilation, wear suitable respiratory equipment.  
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 if working in enclosed spaces.

**SAFE HANDLING INFORMATION**

**Storage and Transport:** General good practice required. Transport as Class 8 corrosive. Packing Group III, UN Number 2735.  
**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 = 1-10mg/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).  
**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) >2000mg/kg, Dermal – LD50 (Rabbits) >2110mg/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**

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**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.