

# MATERIAL SAFE DATA SHEET

## 1 Product and company identification

Trade name : EPOXY PUTTY

Company : AGE INDUSTRIES & TRADING SDN BHD  
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Taman Taynton View,  
56000 Kuala Lumpur.

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Use : The product is intended for use in the building and construction industry and should be used only by trained personnel. When correctly mixed, applied and fully cured Epoxy Products present no hazard, but during application they are potentially hazardous if not handled correctly.

## 2 Composition

The product comprises three components. The three components are:

1. A Bisphenol A or F type epoxide resin with average molecular weight <700 CAS No. 25068-38-6 which may be mixed with reactive or non reactive diluents.
2. A curing agent, based on polyamides or modified polyamines. Some are classed as irritants and others corrosive.
3. Dry powder mixture of inert fine fillers.

Resin and hardener component can cause sensitization by prolonged or regular contact with the skin which must be avoided.

## 3 Hazards identification

Irritating to eyes and skin.

Hardener may cause burns.

May cause sensitization by skin contact.

## 4 First aid measures

<b>Skin contact</b>	Wipe off excess with absorbent disposable paper towels. Wash with plenty of soap and water. Do not use organic solvents.
<b>Eye contact</b>	Rinse immediately with water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	Move affected person to fresh air. In case of irritation to respiratory system or mucous membrane or if symptoms persist, seek medical attention.
<b>Ingestion</b>	Immediately rinse mouth repeatedly with water. If swallowing has occurred the affected person should drink 500 – 800ml of water. Seek medical attention promptly.

## 5 Fire fighting measures

Suitable extinguishers: water mist, carbon dioxide, foam and dry powder. Do not use high pressure water jet extinguishers.

Fire fighters must wear full breathing apparatus.

### Exposure hazards

Do not release chemically contaminated water into soil, drains or surface water. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil according to local regulations.

## 6 Accidental release measures

### Personal precautions

Avoid contact with skin, eyes and clothing. Avoid breathing dust or vapours. Avoid ignition sources.

### Environmental precautions

Prevent contamination of soil, drains and surface water.

### Methods for cleaning

Take up with absorbent, dry inert material and place in a suitable and closable container for disposal according to local regulations.

## 7 Handling and storage

### Handling

Irritant, sensitizing. Avoid vapour formation and ignition sources. Ensure good ventilation. Do not eat or drink in workplace.

### Storage

Store away from food and drink. Store in original undamaged containers securely closed. Store at room temperature away from direct sunlight.

## 8 Exposure controls and personal protection

### Technical protective measures

No special measures required.

### Exposure limits

Resin and Hardener: none

Filler: Occupational Exposure Standard 8hour TWA (according to EH 40/98)

Total inhalable dust      10mg/m<sup>3</sup>

Respirable dust              4mg/m<sup>3</sup>

Silica dust                      Maximum Exposure Limit

Respirable dust              0.3 mg/mm

**Respiratory protection**

Not normally necessary. Work in well ventilated area. Wear suitable vapour mask if working in confined spaces.

**Hand protection**

Wear suitable gloves.

**Eye protection**

Wear suitable goggles or face protection.

**Skin protection**

Wear overalls and closed footwear.

## 9 Physical and chemical properties

Both resin and hardener components are liquids. The filler is a fine powder. The flash points of the resin and hardener components are excess of 100°C.

## 10 Stability and reactivity

Thermal decomposition temperature: above 200°C.

Materials to avoid: Strong acids and alkalis and strong oxidizing agents.

Hazardous decomposition products: If the materials are involved in a fire, hazardous oxides of carbon or nitrogen or other hazardous vapours may release.

## 11 Toxicological information

**Skin sensitization**

Liquid constituents of both resin and hardener may cause sensitization by skin contact.

**Skin and eye irritation**

The liquid constituent of resin component: irritant.

The liquid constituent of hardener: corrosive.

## 12 Ecological information

Prevent contamination of soil, drains and surface water. No other specific information available.

## 13 Disposal considerations

Incineration or landfill in accordance with local regulations. Contaminated packaging material should be disposed of identically to the product itself. For easy disposal any unmixed resin and hardener can be mixed and allowed to cure. Once fully cured Epoxy products can be disposed of as normal household waste. Uncontaminated packaging material should be treated as household waste or as recycling material.

## 14 Transport information

RID/ADR	Class 8
IMDG Code	Class 8
IATA	Class 8
Flash point	>100°C
UN no.	1760 (for hardener)

## 15 Regulatory information

### Resin component

Symbol: Xi

Resin component contains Bisphenol A epoxy resin with average MW <700.

R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
S28	After contact with skin, wash immediately with plenty of soap and water.
S37/39	Wear suitable gloves and eye/face protection.

### Hardener component

Hardener component contains aliphatic polyamines or modified polyamine materials

Irritant: Symbol Xi

Corrosive: Symbol C

R34	Causes burns
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### Hardener is:

R21/22	Harmful in contact with skin, eyes and if swallowed.
R43	May cause sensitization by skin contact.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

## 16 Other information

None

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