



**MANUFACTURER**



10 Jacobs Street  
Heidelberg  
Gauteng  
South Africa  
1438

Emergency Number: +27 60 966 7911

**APPROVED DISTRIBUTOR & APPLICATOR IN AUSTRALIA**



TRADING AS  
ALCARO WEAR LININGS  
www.alcarohydraulics.com.au

7/47-49 Dewar Rd,  
Bullsbrook WA  
6084

Emergency Number: 0428 234 663 • 0419 193 537

**TWIN PACK EPOXY COMPOSITE | PART A | RESIN MIX**



**1 Hazards Identification**

**Inhalation:** If the product is heated, fumes can cause headache and respiratory irritation.

**Skin contact:** In sensitive individuals can cause skin irritation.

**Eye contact:** May cause eye irritation.

**Ingestion:** Low oral toxicity.

**2 Composition of Hazardous Components**

**Epoxy polymer resin:** Cas# 25085-99-8, <50%

**Organic complex:** Cas# 1185-55-3, <1%

**3 First Aid Measures**

**Eyes:** Flush immediately with water for at least 15 minutes. Consult a physician.

**Skin:** Remove contaminated clothing. Wipe excess from skin. Wash with soap and water. Consult a physician if effects occur.

**Inhalation:** Remove to fresh air if effects occur.

**Ingestion:** No acute adverse health effects expected from amounts ingested under normal conditions of use. Seek medical attention if a significant amount is ingested

**4 Fire Fighting Measures**

**Flashpoint:** > 150°C

**Extinguishing media:** Foam, carbon dioxide (CO2), dry chemical.

**Special procedures:** Wear a self-contained breathing apparatus and complete full-body personal protective equipment. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

**Fire and explosion hazards:** During a fire, smoke may contain the original materials in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: carbon monoxide, carbon dioxide.

## 5 Accidental Release Measures

**Spill or leak:** Stop leak without additional risk. Contain and absorb with inert material (e.g., sawdust or sand) and collect in a suitable, closed container for disposal according to municipal regulations. If possible, cure the spilled product and dispose of in a normal landfill site.

## 6 Handling And Storage

Avoid contact with skin and eyes.  
When using, do not eat, drink or smoke.  
Store in tightly lidded containers in a dry area below 40°C.  
Do not store close to strong acids and oxidizing agents.  
Do not expose to open flames.

## 7 Exposure Control and Personal Protection

**Eye protection:** Safety glasses with side shields or chemical splash goggles.

**Skin protection:** Wear solvent-proof, chemical resistant gloves and full body-covering clothing, like an overall.

**Respiratory / Ventilation:** Good room ventilation is usually adequate for most operations. Wear a respirator with an organic vapor cartridge whenever exposure to vapor in high concentrations is likely.

**Additional protective measures:** Practice good caution and personal cleanliness to avoid skin and eye contact. Avoid skin contact when removing gloves and other protective equipment.

**Occupational exposure limits:** Not established for product as a whole.

## 8 Physical and Chemical Properties

**Physical form:** Paste

**Color:** PART A - Beige/Grey • PART B - Burgandy

**Odor:** Mild.

**Boiling point:** NA, high solids mixture

**Viscosity:** >20000 (cP). Thick paste.

**pH:** slightly acidic

**Solubility in water:** Slight for the volatile part. Solids insoluble. Homogeneous mixture.

**Bulk density:** 2.2 kg / l

**% Volatile by weight:** < 30%

## 9 Stability and Reactivity

**Stability:** Stable below 40°C.

**Incompatibilities:** Reacts with organic bases strong acids and oxidizing agents.

**Decomposition:** Releases complex carbohydrates on heating. Releases nitrous carbohydrates when burning

**Polymerisation:** Exothermic reaction leading to heat build up, normally below 200°C

## 10 Toxicological Information

**Oral:** LD50 >4500 mg/kg

**Dermal:** LD50 >20000 mg/kg

**Carcinogenity:** Product not listed

## 11 Ecological Information

In the non-cured liquid form this product may cause long-term harm if released to the environment. Prevent entry into sewers and natural waters. Cured epoxy pose no risk and can be disposed of in normal landfills.

## 12 Disposal

**Uncured:** Place in closed container for disposal in encapsulation. Reclaim if possible.

**Cured:** Dispose in normal landfill

## 13 Transportation

**Shipping name:** Not regulated

## 14 Regulatory Information

**OSHA status:** Irritant

## 15 Other

Work in a well ventilated area.  
Avoid contact with unknown chemicals and open flames.  
Avoid exposure to excessive heat.

## SAMPLE OF PRODUCT





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**TWIN PACK EPOXY COMPOSITE | PART B | HARDENER MIX**



**1 Hazards Identification**

**Inhalation:** If the product is heated, fumes can cause headache and respiratory irritation

**Skin contact:** In sensitive individuals can cause skin irritation

**Eye contact:** May cause eye irritation

**Ingestion:** Low oral toxicity

**2 Composition of Hazardous Components**

**Organic complex:** Cas# 1185-55-3, <1%

**3 First Aid Measures**

**Eyes:** Flush immediately with water for at least 15 minutes. Consult a physician

**Skin:** Remove contaminated clothing. Wipe excess from skin. Wash with soap and water. Consult a physician if effects occur

**Inhalation:** Remove to fresh air if effects occur

**Ingestion:** No acute adverse health effects expected from amounts ingested under normal conditions of use. Seek medical attention if a significant amount is ingested.

**4 Fire Fighting Measures**

**Flashpoint:** > 100°C

**Extinguishing media:** Foam, carbon dioxide (CO2), dry chemical

**Special procedures:** Wear a self-contained breathing apparatus and complete full-body personal protective equipment. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat

**Fire and explosion hazards:** During a fire, smoke may contain the original materials in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: carbon monoxide, carbon dioxide

## 5 Accidental Release Measures

**Spill or leak:** Stop leak without additional risk. Contain and absorb with inert material (e.g., sawdust or sand) and collect in a suitable, closed container for disposal according to municipal regulations. If possible, cure the spilled product and dispose of in a normal landfill site.

## 6 Handling And Storage

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Store in tightly lidded containers in a dry area below 40°C. Do not store close to strong acids and oxidizing agents. Do not expose to open flames.

## 7 Exposure Control and Personal Protection

**Eye protection:** Safety glasses with side shields or chemical splash goggles

**Skin protection:** Wear solvent-proof, chemical resistant gloves and full body-covering clothing, like an overall

**Respiratory / Ventilation:** Good room ventilation is usually adequate for most operations. Wear a respirator with an organic vapor cartridge whenever exposure to vapor in high concentrations is likely

**Additional protective measures:** Practice good caution and personal cleanliness to avoid skin and eye contact. Avoid skin contact when removing gloves and other protective equipment

**Occupational exposure limits:** Not established for product as a whole

## 8 Physical and Chemical Properties

**Physical form:** Viscous paste

**Color:** Burgandy

**Odor:** Mild

**Boiling point:** NA, high solids mixture

**Viscosity:** >20000 (cP). Thick paste

**pH:** slightly basic

**Solubility in water:** Slight for the volatile part. Solids insoluble. Homogeneous mixture

**Bulk density:** 2.2 kg / l

**% Volatile by weight:** < 30%



## 9 Stability and Reactivity

**Stability:** Stable below 50°C

**Incompatibilities:** Reacts with organic bases strong acids and oxidizing agents

**Decomposition:** Releases complex carbohydrates on heating. Releases nitrous carbonaceous compounds when burning

**Polymerisation:** Exothermic reaction leading to heat build up, normally below 200°C

## 10 Toxicological Information

**Oral:** LD50 >1500 mg/kg

**Dermal:** LD50 >1000 mg/kg

**Carcinogenity:** Product not listed

## 11 Ecological Information

In the non-cured liquid form this product may cause long-term harm if released to the environment. Prevent entry into sewers and natural waters. Cured epoxy pose no risk and can be disposed of in normal landfills.

## 12 Disposal

**Uncured:** Place in closed container for disposal in encapsulation or incineration. Reclaim if possible

**Cured:** Dispose in normal landfill

## 13 Transportation

**Shipping name:** Not regulated

## 14 Regulatory Information

**OSHA status:** Irritant

## 15 Other

Work in a well ventilated area.  
Avoid contact with unknown chemicals and open flames.  
Avoid exposure to excessive heat.

## SAMPLE OF PRODUCT

