



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: Thick liquid

Color: PART A - Burgandy

Odor: Mild

Boiling point: NA, high solids mixture

Viscosity: 5000 to 10000 (cP). Thick liquid

pH: slightly acidic

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

Bulk density: 1.6 kg / l

% Volatile by weight: < 60%

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

Cycloaliphatic Amine: Cas# 140-31-8, <40%
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: Thick liquid

Color: PART A - Clear liquid

Odor: Mild

Boiling point: NA, high solids mixture

Viscosity: <1000 (cP)

pH: slightly basic

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

Bulk density: 1,2 kg / l

% Volatile by weight: <100%

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 carbohydrates 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. 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

