



# MATERIAL SAFETY DATA SHEET

Issue date: 26<sup>th</sup> March, 2008

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name: EPOXY PASTE PART A**

Company: Tremco Pty Limited ABN 25 000 024 064  
Address: Unit 1, 2 Park Road, Rydalmere, New South Wales, 2116  
Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955  
Emergency  
Telephone: 1800 224 512 Business Hours only 7am to 5pm Monday to Friday  
Inclusive  
Product Codes: 225313 20 litre  
Recommended  
Use: Two Part Adhesive for use in civil engineering. Use in  
conjunction with Epoxy Paste Part B  
Proper Shipping  
Name: None allocated

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## 2. HAZARDS IDENTIFICATION

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CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA. NOT CLASSIFIED AS DANGEROUS.

Symbol: Xi Irritant  
Risk Phrases: R36/38 Irritating to skin and eyes  
R43 May cause sensitisation by skin contact

Poison Schedule: S5 This product is a Schedule Poison S5 and must be stored, maintained and used in accordance with the relevant regulation

Safety Phrases: S2 Keep out of reach of children

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name:	CAS Number:	Proportion:
Bisphenol A Epoxy Resin	25068-38-6	High 30-60%
Aliphatic Glycidyl Ether	68609-97-2	Low 1-9%

Other ingredients determined not to be hazardous. All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS) and the National Registration Authority (NRA) approved active constituents.

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## 4. FIRST AID MEASURES

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Poisons Schedule Number: S5

Poisons Information Centre in each State capital can provide additional assistance for scheduled poisons. Ph. 13 11 26.

Ingestion: If swallowed do not induce vomiting. Rinse mouth with water, give glass of water and seek medical attention.

- Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
- Skin: Remove contaminated clothing and footwear. Wash skin thoroughly with water. If swelling, redness, blistering or irritation occurs seek medical attention.
- Inhalation: Remove victim from exposure to fresh air. If breathing becomes difficult give artificial respiration and seek medical attention.

Note to Physician: Treat the patient symptomatically.

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## 5. FIRE FIGHTING MEASURES

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- Flash point : >200°C (ASTM D 93)
- Decomposition Temperature : >200°C
- Extinguishing Media : Water, foam, dry chemical powder or Carbon Dioxide.
- Specific Hazards : The material is stable under normal conditions. Hazardous polymerisation can occur on heating. On decomposition gives off Carbon Dioxide, Carbon Monoxide and other gases. Incompatible with alkalis, acids and strong oxidisers.
- Fire Fighters : Wear positive pressure, self-contained breathing apparatus and full protective clothing.
- Additional Information: Hazchem code – None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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- Small Spills: Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local council statutory codes.
- Large Spills: Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local statutory codes. If contamination of crops, waterways, drains or sewerage has occurred, advise Emergency Services or State Department of Agriculture

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## 7. HANDLING & STORAGE

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- Storage: Store in the closed, original container in a cool ventilated area. Keep containers tightly closed when not in use. Keep away from explosives, food, oxidising agents and organic peroxides. This

product is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Exposure Limits: No value assigned for this specific product by the National Occupational and Safety Commission (Worksafe Australia). However, supplier recommended Hygiene Standard as under :

Material	TWA		STEL		Notices
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Bisphenil A resin	N/e*	N/E*	N/E*	N/E*	-
Aliphatic Glycidyl Ether	N/E*	N/E*	N/E*	N/E*	-

N/E\* = No Exposure Standard has been established for this product.

Engineering Controls: Special ventilation is not normally required due to the low volatility of the product at normal temperature. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards or where no exposure standard is allocated, as low as reasonably practicable.

Personal Protection: Use overalls, safety shoes, safety goggles, rubber or chemical resistance gloves and respirator if required.

Manufacturing,  
 Packaging &  
 Transport:

Avoid skin and eye contact and the inhalation of vapour. Wear overalls, safety goggles and impervious gloves. Available information suggests that the gloves made from PVC should be suitable for intermittent contact, however, due to variations in glove construction and local conditions, the final assessment should be made by the user. If inhalation risk exists, wear organic vapour respirator meeting requirements of AS/NZ 1715 and 1716. Always wash hands with soap and water before smoking, eating, drinking or using toilet facilities.

Preparations &  
 Use of Product:

Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. Do not inhale mist or vapours. After each day's use wash gloves, safety goggles and all the contaminated clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Grey Paste
Solubility:	Insoluble in water
Specific Gravity:	1.4 – 1.5
Boiling Point:	>200 °C
Relative Vapour Density:	>1
Melting Range:	Not established
Vapour Pressure:	<0.01Pa (20 °C)
Decomposition Temperature:	>200 °C
Flash Point:	>200 °C (ASTM D 93)
Flammability Limits:	Not established
Ph:	Not applicable
Autoignition Temperature:	Not established
% Volatile by Volume:	Nil

(All above values are Typical Values only)

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## 10. STABILITY AND REACTIVITY

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The product is stable under normal conditions and use.

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## 11. TOXOCOLOGICAL INFORMATION

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No adverse health effects are expected if the product is handled in accordance with this Material safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

### Acute Effects

Ingestion:	Harmful if swallowed. May cause gastrointestinal discomfort and irritation.
Eye:	Brief contact may cause mild irritation to eyes.
Skin:	Mild irritant and poorly absorbed through the skin. Prolonged and repeated contact may cause severe irritation and/or dermatitis.
Inhaled:	Not hazardous at ambient temperatures. Vapours generated at elevated temperatures or when inhaled repeatedly may cause irritation to nose, throat and respiratory tract.

**Long Term Effects:** Repeated skin contact and inhalation may result in sensitisation in some individuals. May cause allergic reaction, dermatitis or asthma like symptoms. Follow good work practices. Avoid ingestion, inhalation, eye and skin contact. Wash hands with soap and water before eating, drinking,

smoking or using toilet facilities.

**Acute & Chronic Toxicity:** Negative in a battery of mutagenicity assays.  
No evidence of carcinogenicity was observed in long term studies of rats.  
No development nor reproductive effects in rat and rabbit.  
Acceptable Daily Intake (ADI) for humans is 0.01mg/kg/day

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## 12. ECOLOGICAL INFORMATION

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Avoid contamination of drains, sewerage, creeks and waterways.  
Not toxic to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of all empty containers as per State & Council Regulations. Do not dispose near waterways, vegetation and tree roots. Empty containers and product should not be burned.

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## 14. TRANSPORT INFORMATION

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UN Number:	Not allocated
Shipping Name:	Not applicable
Class:	Not classified as dangerous goods
Subsidiary Risk:	Nil
Packaging Group:	Not applicable
Hazchem Code:	Not applicable
EPG:	Not applicable
Segregation:	Not to be loaded with explosives, oxidising agents or organic peroxides

For road, marine and air transport this product is not classified as dangerous goods within the context of National & International Transport Regulations.

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## 15. REGULATORY INFORMATION

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Risk & Safety Phrases listed in Section 2  
Classified as Hazardous according to the criteria of Worksafe Australia  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods By Road and Rail.  
Classified as a Scheduled Poison S5 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)  
The National Model Regulations for the Control of Workplace Hazardous Substances {NOHSC : 1005 (1999)}  
The National Standard for the Storage and Handling of Workplace Dangerous Goods {NOHSC : 1015 (2001)}

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**16. OTHER INFORMATION**

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Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use and storage of the product under every foreseeable condition.

Website: [www.tremco.com.au](http://www.tremco.com.au)

The information sourced for the preparation of this document was correct and complete at the time of writing or to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority.



# MATERIAL SAFETY DATA SHEET

Issue date: 26<sup>th</sup> March, 2008

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name: EPOXY PASTE PART B**

Company: Tremco Pty Limited ABN 25 000 024 064  
Address: Unit 1, 2 Park Road, Rydalmere, New South Wales, 2116  
Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955  
Emergency  
Telephone: 1800 224 512 Business Hours only 7am to 5pm Monday to Friday  
Inclusive  
Product Codes: 225312 4 litre  
Recommended  
Use: Two Part Adhesive for civil engineering use. Use in  
conjunction with Epoxy Paste Part A  
Proper Shipping  
Name: Not applicable

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## 2. HAZARDS IDENTIFICATION

---

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

Symbol: Xi Irritant  
Risk Phrases: R36/38 Irritating to skin and eyes  
R43 May cause sensitisation by skin contact  
D.G. CLASS: Not classified as dangerous goods  
Subsidiary Risk: Nil  
Poison Schedule: S5 This product is a Schedule Poison S5 and must be stored,  
maintained and used in accordance with the relevant  
regulation  
Safety Phrases: S2 Keep out of reach of children

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name:	CAS Number:	Proportion:
Polyaminoamide	68082-29-1	High 30-60%
Tris-2,4,6 (Dimethylaminomethyl) Phenol	90-72-2	Low 1-9%

Other ingredients determined not to be hazardous. All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS) and the National Registration Authority (NRA) approved active constituents.

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## 4. FIRST AID MEASURES

---

Poisons Schedule Number: S5

Poisons Information Centre in each State capital can provide additional assistance for scheduled poisons. Ph. 13 11 26.

- Ingestion: If swallowed do not induce vomiting. Rinse mouth with water, give glass of water and seek medical attention.
- Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
- Skin: Remove contaminated clothing and footwear. Wash skin thoroughly with water. If swelling, redness, blistering or irritation occurs seek medical attention.
- Inhalation: Remove victim from exposure to fresh air. If breathing becomes difficult give artificial respiration and seek medical attention.

Note to Physician: Treat the patient symptomatically.

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## 5. FIRE FIGHTING MEASURES

---

- Flash point: >200°C (ASTM D 93)
- Decomposition Temperature: >200°C
- Extinguishing Media : Water, foam, dry chemical powder or Carbon Dioxide.
- Specific Hazards : The material is stable under normal conditions. Hazardous polymerisation can occur on heating. On decomposition gives off carbon dioxide, carbon monoxide, oxides of nitrogen, volatile amines and ammonia. Wear full protective clothing.
- Fire Fighters : Wear positive pressure, self-contained breathing apparatus and full protective clothing.
- Additional Information: Hazchem code – Not applicable

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## 6. ACCIDENTAL RELEASE MEASURES

---

- Small Spills: Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local council statutory codes.
- Large Spills: Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local statutory codes. If contamination of crops, waterways, drains or sewerage has occurred, advise Emergency Services or State Department of Agriculture

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## 7. HANDLING & STORAGE

---

**Storage:** Store in the closed, original container in a cool ventilated area. Keep containers tightly closed when not in use. Keep away from explosives, food, oxidising agents and organic peroxides. This product is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations. Avoid from physical damage.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

**Exposure Limits:** No value assigned for this specific product by the National Occupational and Safety Commission (Worksafe Australia). However, supplier recommended Hygiene Standard as under :

Material	TWA		STEL		Notices
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Polyaminoamide Tris-2,4,6 (Dimethy- aminomethy)	N/E*	N/E*	N/E*	N/E*	-
Phenol	N/E*	N/E*	N/E*	N/E*	-

N/E\* = No Exposure Standard has been established for this product.

**Engineering Controls:** Special ventilation is not normally required due to the low volatility of the product at normal temperature. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards or where no exposure standard is allocated, as low as reasonably practicable.

**Personal Protection:** Use overalls, safety shoes, safety goggles, rubber or chemical resistance gloves and respirator if required.

**Manufacturing,  
Packaging &  
Transport:**

Avoid skin and eye contact and the inhalation of vapour. Wear overalls, safety goggles and impervious gloves. Available information suggests that the gloves made from PVC should be suitable for intermittent contact, however, due to variations in glove construction and local conditions, the final assessment should be made by the user. If inhalation risk exists, wear organic vapour respirator meeting requirements of AS/NZ 1715 and 1716. Always wash hands

with soap and water before smoking, eating, drinking or using toilet facilities.

Preparations &  
Use of Product:

Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. Do not inhale mist or vapours. After each day's use wash gloves, safety goggles and all the contaminated clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Natural/Grey Paste
Solubility:	Partially soluble in water
Specific Gravity:	1.30 – 1.40 @ 25°C
Boiling Point:	>200 °C
Relative Vapour Density:	>1 (air=1)
Melting Range:	Not established
Vapour Pressure:	<0.01Pa (20 °C)
Decomposition Temperature:	>200 °C
Flash Point:	>200 °C (ASTM D 93)
Flammability Limits:	Not established.
Ph:	Not applicable
Autoignition Temperature:	Not available
% Volatile by Volume:	Nil

(All above values are Typical Values only)

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## 10. STABILITY AND REACTIVITY

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The product is stable under normal conditions and use.

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**Acute & Chronic Toxicity:**

Negative in a battery of mutagenicity assays.  
No evidence of carcinogenicity was observed in long term studies of rats.  
No development nor reproductive effects in rat and rabbit.  
Acceptable Daily Intake (ADI) for humans is 0.01mg/kg/day

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## 12. ECOLOGICAL INFORMATION

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Avoid contamination of drains, sewerage, creeks and waterways.  
Product may be toxic to aquatic organisms.

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## 17. DISPOSAL CONSIDERATIONS

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Dispose of all empty containers as per State & Council Regulations. Do not dispose near waterways, vegetation and tree roots. Empty containers and product should not be burned.

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## 18. TRANSPORT INFORMATION

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UN Number:	Not applicable
Shipping Name:	INot applicable
D.G. Class:	Not classified as dangerous goods
Subsidiary Risk:	Nil
Packaging Group:	Not applicable
Hazchem Code:	Not applicable
EPG:	Not applicable
Segregation:	Not to be loaded with explosives, oxidising agents or organic peroxides

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## 19. REGULATORY INFORMATION

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## **20. OTHER INFORMATION**

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