

**MATERIAL SAFETY DATA SHEET**Issue date: 17th April, 2007**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: **PABKOTE TYPE 3®**
PABKOTE TYPE 5

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Product Code: Pabkote Type 3 4L Tin 130301
Pabkote Type 3 20L Pail 130302
Pabkote Type 5 20L Pail 130304

Recommended Use: General waterproofing of concrete and masonry structures; a protective coating for steel structures; a mastic flooring when mixed with aggregate.

Other Name: Bituminous Emulsion

Proper Shipping Name: None allocated

2. HAZARDS IDENTIFICATION

CLASSIFIED AS NON HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA AND NOT DANGEROUS ACCORDING TO THE ADG CODE

Sub Risk: Nil

Hazchem: None allocated

Emergency Overview

Dark brown paste. No serious effects anticipated under normal conditions of use.

Acute Potential Health Effects/Routes of Entry

Considered to be practically non harmful by all exposure routes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Bitumen	8052-42-4	30-60%
Thermoplastic Resin	Not available	<10%
Montmorillonite Clay	1318-93-0	<10%
Calcium Chloride	10043-52-4	<2%
Water	7732-18-5	30-60%
Oxazolidines*	7747-35-5	<0.2%
Cellulose*	9004-34-6	<10%

* Pabkote Type 5 only

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4. FIRST AID MEASURES

Ingestion: Ingestion is highly unlikely. If swallowed, give a glass of water to drink. Do **NOT** induce vomiting.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Transport to nearest medical facility for additional treatment if irritation persists.

Skin: Flush the wet emulsion contaminated area with plenty of water immediately. If the emulsion dries on the skin, use kerosene to wash followed by plenty of soap and water.

Inhaled: Remove to fresh air if it is safe to do so.

5. FIRE FIGHTING MEASURES

Flashpoint: Not determined (aqueous system)

Flammability: Non flammable

Suitable Extinguishing Media: Use foam, water fog for large fires and for small fires use foam, dry powder, CO2/Halon or sand earth. NEVER USE WATER JET for small fires as it can cause spillover.

General Hazard: Material is not flammable. After evaporation of water, the residue is combustible and by its thermal decomposition the following substances are produced :

Carbon monoxide, carbon dioxide, sulphur dioxide, water, nitrogen oxides, polycyclic aromatic hydrocarbons, unburnt hydrocarbons, hydrogen sulphide, particulate matter, unidentified organic and inorganic compounds.

6. ACCIDENTAL RELEASE MEASURES

Recover free liquid. Add absorbent (sand, earth, sawdust etc.) to spill area. Ventilate enclosed spaces. Clean residue with water while material is still wet. Do not allow product to enter streets, sewers or waterways. Assure conformity with applicable disposal regulations. Dispose of material at an approved disposal site or facility.

7. HANDLING & STORAGE

Normal housekeeping practices should be followed. Product should be kept away from direct heat and stored under cover. Keep containers tightly closed. Wear chemically resistant gloves (insoluble plastic or insoluble rubber) when handling.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No exposure limits assigned to the mixture. Under normal application conditions, bituminous fumes are not encountered.

Personal Protection Equipment

During application, wear protective outer clothing and impervious shoes to protect against splashes.

Hand protection:	Protect hands with gloves PVC or similar
Eye protection:	Goggles with side shields if contact is likely.
Respiratory protection:	Not required under normal conditions of use. If potential problem exists use respiratory protection.
Ventilation:	Always provide adequate ventilation.

Exposure Limit Values

Hydrogen Sulphide:	Long term exposure limit 8 hours TWA value = 10ppm Short term exposure limit 10 minutes TWA value = 15ppm
Asphalt, bitumen fumes:	Long term exposure limit 8 hours TWA value = 5mg per cubic metre Short term exposure limit 10 minutes TWA value = 10mg per cubic metre

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown paste
Odour:	Mild bituminous odour
pH:	7-8 approx.
Vapour Pressure:	Not available
Boiling Point (°C):	100 °C approx. (Water)
Solubility in Water:	Dilutable
Flashpoint: (°C):	Not relevant
Flammability Limits (%):	Not applicable
Percent Volatiles (by Wt.):	40 approx.
Specific Gravity:	1.03 approx.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage, temperature, handling and use.

Materials and Conditions to avoid: Frost or exposure to heat which will evaporate the water in the material.

Polymerisation: No polymerisation will occur.

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11. TOXICOLOGICAL INFORMATION

The bitumen emulsion poses no health hazard at ordinary temperature.

HEALTH EFFECTS

Ingestion:	Low order of toxicity. May cause irritation to the gastrointestinal tract.
Eye:	May cause irritation.
Skin:	May cause irritation on prolonged contact.
Inhalation:	Low hazard, essentially non-irritant.

<u>Chronic</u>	Prolonged or repeated contact may cause irritation of the skin and eventually dermatitis. None anticipated under normal conditions of use.
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12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations. Recommended land fill at approved land waste site.

14. TRANSPORT INFORMATION

Not classified as a dangerous good under the provisions of Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number:	None allocated
Proper Shipping Name:	None allocated
Class:	Not applicable
Subsidiary Risk:	Nil
Packing Group:	None allocated

15. REGULATORY INFORMATION

Safety Phrase:	S2 Keep out of reach of children.
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16. OTHER INFORMATION

For Industrial Use only. 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.

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Website: 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 documents should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority.