



MATERIAL SAFETY DATA SHEET

Issue date: 3rd September, 2008

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TREMproof[®] 3000
TREMproof[®] 4000
TREMproof[®] 4000M

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 Phone: 1800 224 512 7am to 5pm Monday to Friday inclusive
Packaging: 1m x 10m Roll
Product Code: 220100 – TREMproof[®] 3000
220101 - TREMproof[®] 4000
220102 - TREMproof[®] 4000M

Recommended Use: APP Modified Torch Applied Membranes
Proper Shipping Name: None allocated

2. HAZARDS IDENTIFICATION

CLASSIFIED AS NON HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

Hazchem Code: None allocated
Risk Phrases: No relevant phrases
Safety Phrases: S2 Keep out of the reach of children
Poisons Schedule : None allocated

Emergency Overview

During the application of TREMproof[®] 3000, TREMproof[®] 4000 or TREMproof[®] 4000M (i.e. gas flame torching) the hazard of small amounts of hot bituminous material exists. The health effects and first aid directions refers to this hazard.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Slightly toxic. May cause irritation of the nose and throat.
Eyes : Could cause severe burning to the eyes.
Ingestion : Ingestion is extremely unlikely and the major hazard will result from burning due to the hot material.
Skin : Could cause severe burns.

Aggravated Medical Conditions

Unlikely.

Chronic Health Effects

None under normal conditions of use.

Target Organs: Eye, Lung, Skin

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: Polyester layer, coated with APP modified bitumen, under side foil and top side finished with mineral / sand.

Chemical Name:	CAS Number:	Proportion:
Bitumen	8052-42-2	30.0-60.0%
Mineral slate *		10.0-30.0%
Polyester mat		<10%

* TREMproof® 4000M only

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Unlikely. Move to fresh air.

Eye contact : Unlikely. If affected by hot bitumen flush immediately with copious amounts of running water while holding the eyelids open for at least 15 minutes. No attempt should be made to remove the bitumen. Get medical attention immediately.

Skin contact : If hot bitumen strikes the skin drench or immerse the area in water (preferably cold running water). If available, apply ice water or ice packs to the area. (Do not use iced water or cold packs if the burned area covers more than 10% of the body, as this may contribute to shock). Alternatively apply cold wet towels to the burnt area and change frequently to maintain cooling. Cooling should be maintained for no longer than 30 minutes. When hot bitumen completely encircles a limb, (this is an unlikely situation when applying TREMproof®3000, TREMproof®4000, or TREMproof®4000M it may have a tourniquet effect and should be split as it cools. Once the bitumen cools it will do no further harm and in fact provides a sterile covering over a burnt area. Obtain medical

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Centre (Ph. 13 11 26 in all states) or Physician immediately.

Advice to Doctor: No attempt should be made to remove the bitumen (it acts as a sterile dressing).

5. FIRE FIGHTING MEASURES

Flammability : Non flammable
Hazchem Code : None allocated
Flash point : Not applicable
Lower explosion limit : - Vol. %

Upper explosion limit :	- Vol. %
Autoignition temperature :	Not applicable
Extinguishing media :	Foam, carbon dioxide, dry powder or water mist
Hazardous combustion Products :	Carbon monoxide can form. Smoke and fumes. Caused by the part of bitumen exists at combustion a close black smoke. Inhalation of combustion products can lead to serious damage to health.
Protective equipment for Firefighters :	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions :	Not applicable

6. ACCIDENTAL RELEASE MEASURES

No special precautions to be taken.

Dispose of in accordance with local, State and Federal regulations.

7. HANDLING & STORAGE

Handling :	No special measures required.
Storage:	Store in an upright position on a smooth level and dry surface between 0°C and 40°C. Avoid direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection :	Avoid inhalation of fumes or vapours with hot bitumen. Respiratory protection is not necessary under normal site conditions. In situations where inhalation risk of overexposure exists wear appropriate, properly fitted NIOSH/MSHA approved respirator
Hand protection :	Wash hands before, during and at the end of the job. Use gauntlet style leather gloves.
Eye protection :	Wear appropriate eye protection (clear face shield) if dangerous wind conditions are expected. Do not touch eyes with contaminated

body parts or materials. Have eye washing facilities readily available.

- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : When handling hot bitumen use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Not established. Keep away from food and drinks.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	Solid sheet/roll
Colour :	Black
Odour :	None when cold, distinctive odour when hot
pH :	Not established
Vapour Pressure :	Not available.
Vapour Density :	Not established
Melting Point/Range :	Not available.
Freezing Point :	Not available.
Boiling Point/Range :	Not available.
Water Solubility :	Negligible
Specific Gravity :	1.1 approx.
% Volatile Weight :	0

10. STABILITY AND REACTIVITY

Substances to avoid :	None.
Stability :	Material is stable under normal storage, handling, and use.
Hazardous polymerization :	Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Effects and symptoms

Acute toxicity	
LC50 and LD50 :	Not established
Inhalation :	Not established
Ingestion :	Not established

Skin Contact : Not established
Eye Contact : Not established
Supplementary information : Effects of hypersensitivity unknown.

12. ECOLOGICAL INFORMATION

No data established.

13. DISPOSAL CONSIDERATIONS

Non hazardous solid waste. Do not dispose with household waste. Assure conformity with applicable disposal regulations. Dispose of material at an approved disposal site or facility.

14. TRANSPORT INFORMATION

This product is not classified as a dangerous goods under the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number:	None allocated
Proper Shipping Name:	None allocated
Class:	None allocated
Dangerous Goods/ Subsidiary Risk:	None allocated
Packing Group:	None allocated
Poisons Schedule Number:	None allocated
Hazchem Code:	None allocated

15. REGULATORY INFORMATION

Risk & Safety Phrases listed in Section 2

Danger code to water : Not classified

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.

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