

# MATERIAL SAFETY DATA SHEET

VULKEM 360NF

Issue Date: 26 August, 2003

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## STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

## COMPANY DETAILS

**Company:** Tremco Pty Limited  
**Address:** Unit 1, 2 Park Rd, RYDALMERE NSW 2116  
**Telephone no:** 02 96382755  
**Facsimile no:** 02 96382955  
**Emergency Telephone no:** 1800224512 (business hours only)

## IDENTIFICATION

**Product Name:** VULKEM 360NF  
**UN Number:** Not applicable  
**Dangerous Goods Class/Subsidiary Risk:** Not applicable  
**Hazchem Code:** Not applicable  
**Packaging Group:** Not applicable  
**Correct Shipping Name:** Not applicable  
**Poisons Schedule:** Not scheduled

**Use:** For use in waterproofing system. It is a polyurethane base curing to form a rubber membrane surface. It is applied using a brush, roller or squeegee.

### Physical Description/Properties

**Appearance:** Viscous liquid  
**Flash point (°C):** 85 °C  
**Vapour Pressure:** Not available  
**Specific Gravity:** 1.17  
**Explosion limits:** Not available  
**Volatile weight:** 10.2%  
**Solubility in Water:** Negligible

### Other Properties:

**Vapour Density:** >1

### Ingredients

| Chemical Name:                           | CAS Number:  | Proportion: |
|--|--------------|-------------|
| Polyurethane Polymer                     | Trade Secret | 50-60%      |
| Dipropylene Glycol Dibenzoate            | 27138-31-4   | 10-20%      |
| Hydrotreated Heavy Naphtha Mineral Oil   | 64742-48-9   | 5-15%       |
| Calcium Carbonate                        | 1317-65-3    | 5-10%       |
| Titanium Dioxide                         | 13463-67-7   | 3-7.0%      |
| Calcium Oxide                            | 1305-78-8    | 3-7%        |
| Diphenylmethane Diisocyanate             | 26447-40-5   | 1-3%        |
| 4,4' - Methylene BIS (Phenyl Isocyanate) | 101-68-8     | 1-3%        |
| Crystalline Silica                       | 14808-60-7   | 0.01-0.5%   |

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| <b>HEALTH HAZARD INFORMATION</b> |
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**Health Effects:**

***Acute:***

- Swallowed: Under conditions of normal use should not present a problem. Ingestion may cause severe gastrointestinal irritation, diarrhoea, nausea, and vomiting.
- Eye: Irritant. Splashes in the eye may cause irritation including stinging, tearing, redness and swelling.
- Skin: Irritant. Repeated or prolonged contact with the product may cause drying , cracking, irritation and burns.
- Inhaled: Sensitiser. Based on the properties of the isocyanate content, respiratory exposure may cause allergic irritation of respiratory system resulting in asthmatic symptoms, wheezing and tightness of the chest, headache, nausea and drowsiness.

***Chronic:***

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Overexposure to isocyanate can cause a decrease in lung function. Skin and respiratory sensitisation is possible.

**First Aid:**

- Swallowed: Do **NOT** induce vomiting without medical advice. Contact the Poisons Information Centre (Phone 13 1126). If any adverse reaction transport to the nearest hospital or doctor. Take a copy of this MSDS.
- Eye: Flush immediately with copious amounts of running water, while holding the eyelids open, for 15 minutes or until irritation subsides. Obtain medical attention immediately.
- Skin: Remove any contaminated clothing and flush area with water. Use soap and water or proprietary handcleaner if available. If irritation, rash or other disorders develop seek medical attention.
- Inhaled: Remove person to fresh air. Avoid further overexposure. If symptoms persist seek medical attention. If breathing stopped, give artificial respiration. Give nothing by mouth. Keep person calm and obtain medical attention immediately.

First Aid Facilities: Eye wash and shower.

**Note: If ANY signs of distress or adverse reaction to contact with ANY chemical product Immediately transport to the nearest hospital or doctor.**

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| <b>PRECAUTIONS FOR USE</b> |
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Exposure Standards: Exposure limits not determined for the compound.  
 Limits of hazardous component/s

|                  |                       |      |
|------------------|-----------------------|------|
| Isocyanates      | 0.02mg/m <sup>3</sup> | TWA  |
|                  | 0.07mg/m <sup>3</sup> | STEL |
| Titanium dioxide | 10mg/m <sup>3</sup>   | TWA  |

Engineering Controls: Local ventilation not normally necessary but should be considered if used in poorly ventilated or confined spaces alternatively a respiratory mask fitted with a type A1 filter and complying with AS 1716 Respiratory Devices and used in accordance with AS1715 which describes use and maintenance.

Personal Protection: Neoprene or nitrile rubber gloves are recommended.  
 Wear chemical splash goggles to avoid eye contact or splash.  
 If used in confined spaces use self-contained breathing apparatus.  
 Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapours or mist.  
 Smoking, eating and drinking should be prohibited in areas of storage and use.

Flammability: Non-Flammable.

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| <b>SAFE HANDLING INFORMATION</b> |
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**Transport** This product is not classified as a dangerous good under the provisions of the “Australian Code for the Transport of Dangerous Goods by Road and Rail”.

**Storage** Keep closed when not in use and away from sources of ignition.  
 Prevent inhalation of vapour, ingestion and contact with the skin.  
 Precautions also apply to empty containers.

Reactivity Data  
 Stability: Stable

Materials to Avoid: Keep away from water, alcohols, oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

**SAFE HANDLING INFORMATION**

**Spills & Disposal:** Remove all ignition sources. Keep people away. Recover free material. Add absorbent (sand, earth, sawdust etc.) to spill area. Avoid breathing vapours. Ventilate enclosed spaces. Provide barriers to prevent liquid from entering streets, sewers or waterways. Assure conformity with applicable disposal regulations. Dispose of cured material at an approved disposal site or facility. Residues in empty containers should be decontaminated prior to disposal according to local regulations.

**Fire/Explosion Hazard:**

**Extinguishing Media:** Use water fog. Use water spray to cool fire exposed personnel and to protect personnel. Product produces oxides of nitrogen, carbon dioxide and carbon monoxide. Hydrogen cyanide gas may be produced under certain conditions. Use self contained air breathing equipment.

Hazardous

**Decomposition:** In a fire hazardous products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. Hydrogen cyanide may be produced. Hazardous polymerization will not occur.

**OTHER INFORMATION**

If used according to manufacturer's conditions this product is safe to use, however, persons known to be hypersensitive (asthma, chronic bronchitis) should not use this product.

**Contact Point:** OHS&E Officer

**Telephone no:** 1800224512 (business hours)

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