



MATERIAL SAFETY DATA SHEET

Issue date: 26th March, 2008

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TREMCO FLAME SHIELD

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: 275010 700ml
Recommended
Use: Sealant
Proper Shipping
Name: AEROSOLS, Flammable

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA. CLASSED AS UN 1950 AEROSOL ACCORDING TO THE ADG CODE

Symbol: Xn Harmful
F+ Extremely flammable

Risk Phrases: R12 Extremely flammable
R20 Harmful by inhalation
R22 Harmful if swallowed
R36/37/38 Irritating to skin, respiratory system and eyes
R42/43 May cause sensitisation by inhalation and skin contact

Safety Phrases: S2 Keep out of the reach of children.
S23 Do not breathe fumes/aerosol.
S24/25 Avoid contact with skin and eyes.
S33 Take precautionary measures against static discharges.
S35 This material and its container must be disposed of in a safe way
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51 Use only in well ventilated areas
S61 Avoid release to the environment

Contains isocyanates. See information supplied by the manufacturer
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Buildup of explosive mixtures possible without sufficient ventilation.

Classification system: The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Diphenylmethane diisocyanate, isomers and homologues	9016-87-9	25-50%
DME, Dimethylether	115-10-6	<5%
Isobutane	75-28-5	<2.5%
Brominated polyether polyol	86675-46-9	<2.5%
Triethyl phosphate	78-40-0	<2.5%
Propane	74-98-6	<2.5%

Other ingredients determined not to be hazardous.

4. FIRST AID MEASURES

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Ingestion: If symptoms persist consult doctor

Eye: Rinse opened eye for at least 15 minutes under running water.
Consult a doctor.

Skin: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

FIRST AID FACILITIES

Provide normal industrial first aid facilities including eye-wash stations and safety showers as appropriate.

5. FIRE FIGHTING MEASURES

Flash point : <0°C

Extinguishing Media : Carbon Dioxide, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

Protective equipment: Mount respiratory protective device and wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear protective equipment. Keep unprotected

persons away.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7. HANDLING & STORAGE

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material. Keep away from sources of ignition. - No smoking. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Storage:

Requirements to be met by storerooms and receptacles:

Store in accordance with AS 3833-98 and local regulations. Keep away from Class 5 goods. Store in a cool location. Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed. Do not seal receptacle gas tight. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:

9016-87-9diphenylmethane diisocyanate, isomers and homologues

WEL Short term value: 0.07mg/m³
Long term value: 0.02mg/m³
SEN: as -NCO

811-92-2 1,1,1,2-TETRAFUORETHANE (10-25%)

WEL Long term value: 4240mg/m³, 1000 ppm

115-10-6 DME, Dimethylether

WEL Short term value: 958 mg/m³, 500 ppm
Long term value: 766 mg/m³, 400 ppm

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves: Material of gloves should be Nitrile Rubber, NBR or Natural Rubber, NR.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection:

Use safety glasses with side shields or tightly sealed goggles to AS1337.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol
Odour:	Characteristic
Solubility:	Not miscible in water
Boiling Point:	Not applicable as aerosol
Melting Range:	Not established
Flash Point:	Not applicable as aerosol
Ignition Temperature:	Not applicable as aerosol
Self-igniting:	Product is not self-igniting
Danger of Explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible
Density:	1.14g/cm ³ @ 20°C

(All above values are Typical Values only)

10. STABILITY AND REACTIVITY

The product is stable under normal conditions and use.

Conditions to avoid: No decomposition if used according to specifications, however, avoid heat, sparks, open flames and other ignition sources.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

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 Toxicity

Primary Irritant Effects

Eye:	Irritating effect.
Skin:	Irritant to skin and mucous membranes.
Inhaled:	Not hazardous at ambient temperatures. Vapours generated

at elevated temperatures or when inhaled repeatedly may cause irritation to nose, throat and respiratory tract.

Sensitization:

Sensitization possible through inhalation.
Sensitization possible through skin contact.

Additional toxicological information:

Harmful
Irritant

12. ECOLOGICAL INFORMATION

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

13. DISPOSAL CONSIDERATIONS

Recommendation:

Cured foam can only be removed mechanically. Cured foam is chemically inert and therefore can be disposed of together with household garbage. Uncured product must not be disposed with household garbage.

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.

14. TRANSPORT INFORMATION

UN Number: 1950
Shipping Name: AEROSOLS
Class: 2.1
Packaging Group: Not applicable
Hazchem Code: 3WE
Segregation: Not to be loaded with explosives, oxidising agents or organic peroxides

In accordance with the ADG Code & Regulations and the IMDG Code as appropriate to mode of transport.

15. REGULATORY INFORMATION

Xn Harmful

F+ Extremely flammable

Risk & Safety Phrases listed in Section 2

Classified as Hazardous according to the criteria of Worksafe Australia
Pressurised container, protect from sunlight and do not expose to temperature exceeding 50oC. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Build up of explosive mixtures possible without sufficient ventilation.

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)}

Label in accordance with the National Code of Practice for the Labelling of Workplace Substances [NOHSC 2012(1994)]

16. OTHER INFORMATION

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.