

PRODUCT: BLAZEBRAKE™ FIRE RATED EXPANDING FOAM

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SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**Product Name:** BLAZEBRAKE™ FIRE RATED EXPANDING FOAM**Manufacturer's Product Code:** FRF700**Other Names:** None**Recommended Uses:** Fire protection for large gaps

Ramset Fasteners (Aust) Pty Limited ACN 004 297 009

A Division of ITW Construction Products

Maroondah Highway,

Mooroolbark, Victoria, Australia, 3138

Telephone: 1300 780 063**Emergency Telephone Number:** 1800 039 008 (24 hours / 7 days)**SECTION 2: HAZARDS IDENTIFICATION****- Classified as Hazardous according to criteria of ASCC -**

Xn Harmful

F+ Extremely flammable

Risk Phrases:

R12 Extremely flammable

R20 Harmful by Inhalation

R36/37/38 Irritating to eyes, respiratory system and skin

R42/43 May cause sensitisation by inhalation and skin contact

Safety Phrases:

Avoid contact with skin and eyes.

Avoid breathing vapour

Keep container in a well-ventilated place

Keep away from sources of ignition – no smoking

Take precautionary measures against static discharges

Pressurised 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

Build up of explosive mixtures possible without sufficient ventilation

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Chemical Identity	CAS Number	Proportion
Diphenylmethanediisocyanate, isomers and homologues	9016-87-9	25-50%
Dimethylether	115-10-6	2.5-10%
Isobutane	75-28-5	<5.0%
Propane	74-98-6	<5.0%

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Ingredients not classified as hazardous

To 100%

SECTION 4: FIRST AID MEASURES**ACUTE**

Swallowed: Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor or Poisons Information Centre 13 1126

Eye: If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Acetone or nail polish remover will assist removal of the residue. DO NOT apply acetone or solvents to eyes or other sensitive skin areas. Acetone will defat skin and may cause dermatitis in some individuals. Wash skin thoroughly with soap and water and apply moisturiser. Alternatively, allow foam to harden and remove mechanically. Foam residue will come off skin gradually over a period of a few days. If irritation persists seek medical attention.

Inhaled: If inhaled remove from exposure.

SECTION 5: FIRE FIGHTING MEASURES

Product is extremely flammable

Flammable gas in pressurised containers

Suitable Extinguishing Media: Carbon dioxide, foam, dry chemical, water fog to cool containers

Hazardous products of combustion: Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide

Special protective precautions and equipment for fire-fighters: Wear full protective clothing and self-contained breathing apparatus

Hazchem code: 2Y

SECTION 6: ACCIDENTAL RELEASE MEASURES**Emergency procedures:**

Shut off sources of ignition. Take precautionary measures against static discharges. No smoking. Ensure adequate ventilation.

Methods and materials for containment and clean up

Material will expand on release from container and harden in contact with atmospheric moisture. Hardening will progress from the surface inwards at a rate dependent on humidity and temperature. Allow spilled foam to solidify. Scrape up from surfaces using non-sparking tool. Foam will contain flammable vapours even when cured. Place collected material into labelled containers for disposal.

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SECTION 7: HANDLING AND STORAGE

Pressured container. Store in a cool, well-ventilated area out of direct sunlight. Keep away from sources of ignition – no smoking. Take precautionary measures against static discharges. Keep containers below 25°C. Containers may rupture if exposed to temperatures above 50°C. Do NOT store in vehicles. Do not puncture container. Do not pierce or burn, even after use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION
National exposure standards

Ingredient	CAS	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Dimethylether	115-10-6	400	760	500	950
Diphenylmethanediisocyanate, isomers and homologues	9016-87-9		0.02		0.07
Isobutane	75-28-5	-	-	-	-
Propane	74-98-6	-	-	-	-

“-“Indicates no exposure standard

Engineering controls

Exhaust ventilation maintain airborne concentration below standards.

Personal protective equipment:

Wear impervious gloves and overalls. Wear safety glasses, goggles or face shield. Tie back hair and / or wear a hat.

In areas with poor ventilation, wear organic vapour respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow viscous liquid / foam

Odour: Characteristic solvent odour

pH: Not applicable

Vapour Pressure: Not available

Boiling Point / Range: Not available

Freezing / Melting Point: Not available

Solubility in Water: Not soluble

Specific Gravity: 1.06 g/cm³

Flashpoint and Method: -97°C

Flammability Limit: Not available

Explosive Limit: Not available

Ignition Temperature: Not available

Other Properties:

Volatile Organic Compound Content (VOC): 170 g / L

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SECTION 10: STABILITY AND REACTIVITY**Chemical stability:** Stable**Conditions to avoid:** High humidity may harden contents of container or cause valve blockage**Incompatible materials:** Water**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide from combustion**Hazardous reactions:** Containers are under pressure and may rupture if heated**SECTION 11: TOXICOLOGICAL INFORMATION****Acute****Harmful****Irritant****Swallowed:** May be harmful if swallowed. May cause irritation to gastrointestinal tract**Eye:** Irritating in contact with eyes**Skin:** Irritating in contact with skin.**Inhaled:** Vapours may be irritating to respiratory tract

The product is very adhesive and hardens in contact with moisture in skin and eyes.

Note: Principal routes of exposure are usually by inhalation and skin contact. Skin contact may cause defatting and drying of the skin. Caution: The product contains low levels of free organic isocyanates, which on exposure may cause skin and or respiratory sensitisation in some individuals. The presence of aerosol/mist is particularly hazardous. The level of isocyanate falls over time upon exposure to moisture until the fully cured sealer is non-hazardous. Prolonged, repeated or excessive exposure by inhalation or skin may cause sensitisation and allergic reactions leading to bronchial spasm, asthma or dermatitis.

Caution. This product contains polymerised MDI. Use good occupational hygiene practices to limit all personal contact.

Warning: Intentional misuse by concentrating and inhaling contents may be fatal.

Aerosol containers may present additional hazards related to pressure effects. (ADG Code)

Chronic

May cause sensitisation by inhalation and by contact with skin

SECTION 12: ECOLOGICAL INFORMATION

Not biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

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SECTION 14: TRANSPORT INFORMATION

UN Number: 1950
UN Proper Shipping Name: Aerosols
Class and subsidiary risk: 2.1
Packaging Group: Not applicable
Hazchem Code: 2Y

SECTION 15: REGULATORY INFORMATION

Poisons Schedule: 5
NICNAS Status: All ingredients are listed on the AICS

SECTION 16: OTHER INFORMATION

Contact Point: Product Manager – Construction Chemicals