

**Product Name : BLAZEBRAKE™ FIRE RATED EXPANDING FOAM**

Ramset NZ

**Other Names :**

A Division of ITW NZ Ltd

**Part No. :** FRF700

PO Box 40-031

**MSDS No. :** NZ5001

Glenfield. Auckland

**Date & Issue :** 1 JUNE 2009

www.ramset.co.nz

**1: RECOMMENDED USE**

Aerosol dispensed foam for use as a fire seal

**2: HAZARDS IDENTIFICATION**

UN No	: 1950	Hazchem Code	: 2Y
Hazard Class	:	Poisons Schedule	:
Subsidiary Risk	:	CAS No	:
SPEC EPG	:	G T EPG	:
NIOSH	:	Packing Group	: NA
D G Class	: 2.1	IMDG	: 2
ADR	: 2	IATA-DGR	: Class 2.1

**3: PHYSICAL DESCRIPTION & PROPERTIES**

Appearance	: Light Grey Viscous Liquid / Foam	Flammability Ltd	: Extremely flammable
Specific Gravity	: 1.06 g/cm <sup>3</sup>	Boiling Point	:
Form	: Aerosol	Melting Point	:
Vapor Pressure	: N/A	Flashpoint	: -97°C
Solubility in Water	: Insoluble	Other	: Odour Characteristic Solvent Odour : Volatile Organic Compound Content

(VOC) 170 g / L

**4: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	(CAS No)	Content Proportion
Diphenylmethanediisocyanate, isomers and homologues <sup>9</sup>	9016-87-9	25-50%
Dimethylether	115-10-6	2.5-10%
Isobutane	75-28-5	<5.0%
Propane	74-98-6	<5.0%

Contents : **H**igh >60% **M**edium 10 – 60% **L**ow 1 – 10% **V**ery Low <1%**PRINT DOCUMENT****BACK TO CONTENTS**

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Irritating to eyes

Skin

Irritating to skin

Inhaled

Harmful by inhalation

Swallowed

Not applicable

**HEALTH EFFECTS: CHRONIC:**

May cause sensitisation by inhalation and skin contact.

**FIRST AID****\*\*Take a copy of this MSDS to the Doctor\*\***Eyes

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

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

Swallowed

Not applicable.

Advice to Doctor

Treat symptomatically.

First Aid facilitiesToxicity data

No toxicological data is available. The product was classified on the basis of the calculation procedure of the preparation directive

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Ingredients with occupational exposure limits to be monitored:

**National exposure standards**

Ingredient	CAS	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
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

**VENTILATION:**

Ensure adequate ventilation.

**PERSONAL PROTECTION:**Eyes

Safety glasses.

Hands & Feet

Avoid contact with skin. Protective gloves

Respiratory

Do not inhale vapours. Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2

Other

Wear light protective clothing, use barrier cream. At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Clean skin thoroughly after work, apply skin cream.

**FLAMMABILITY:**

Extremely flammable.

**ENVIRONMENT:**

Not biodegradable.

**OTHER PRECAUTIONS:**

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 freeorganic 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 nonhazardous. 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)

**7: SAFE HANDLING & STORAGE****PRINT DOCUMENT****BACK TO CONTENTS**

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Do not store together with oxidizing agents. Protect from heat/overheating – sun and temperatures above 50 deg C. Keep in a cool place, heat causes increase in pressure and risk of bursting. Keep away from sources of ignition – refrain from smoking. Do not open with force or incinerate (even after use). Keep out of reach of children. Keep containers below 25 °C. Take precautionary measures against static discharges. Observe manufacturers instructions.

**PACKAGING & LABELLING:**

Container is under pressure. Protect from sun and temperatures above 50°C. Do not open with force or incinerate even after use. Do not spray against an open flame or hot objects. Keep away from sources of ignition – No smoking. Keep out of reach of children. Observe manufacturer's instructions.

**SPILLS & DISPOSALS:**

Take up mechanically. Dispose of absorbed material in accordance with the regulations, as hazardous waste - to hazardous or special waste collection point. Do not open with force or incinerate even if empty. Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

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.

**OTHER PRECAUTIONS:**

Do not spray against an open flame or glowing hot objects. Use only in well-ventilated areas.

**8: FLAMMABILITY**

Fire/Explosion hazard : Extremely flammable. Because of the high vapour pressure, containers are liable to burst if temperature rises.

Extinguishing Media : CO<sub>2</sub>, Dry Powder, Foam, Water spray jet

Do NOT use full water jet. Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Upper Explosion Limit :

Lower Explosion Limit :

Dust Explosion Limit :

May Decompose Explosively :

Other

Hazardous combustion products:

Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide.

Fire fighters use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

No hazardous decomposition products known.

**9: OTHER INFORMATION**

None

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