



# FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

185 Rata Street, P O Box 35 136, Naenae, Lower Hutt, New Zealand.

INVINCIBLE

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## MATERIAL SAFETY DATA SHEET

### PRODUCT: RETARDÉ M

CHEMICAL FAMILY: Paint – Modified Chlorinated Rubber

SECTION A	IDENTIFICATION	RETARDE M
UN NUMBER	1866	
NZ DANGEROUS GOOD CLASS	3	
PROPER SHIPPING NAME:	Resin Solution – Flammable.	
PACKAGING GROUP	II	
HAZCHEM	3 [Y] E	

SECTION B	INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH	RETARDE M
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Name	CAS Number	Content %
Xylene	1330-20-7	13
Medium Aromatic Petroleum Solvent	64742-88-7	5
Light Aromatic Petroleum Solvent	64742-95-6	5

SECTION C	PHYSICAL DATA	RETARDE M
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VAPOR DENSITY (Air = 1)	3.7
BOILING POINT IN DEGS C	~137°C
FREEZING POINT	< -25°C.
SPECIFIC GRAVITY	1.125
PERCENT VOLATILES	70%(volume)
VISCOSITY	Liquid
SOLUBILITY IN WATER	Slight
APPEARANCE AND ODOUR	Medium viscosity, light yellow liquid, strong solvent odour.

SECTION D	FIRE AND EXPLOSION DATA	RETARDE M
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FLASH POINT	24 °C
UNUSUAL OR EXPLOSIVE HAZARDS:	None Indicated

### SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep fire exposed containers cool by use of a water spray. For fires in enclosed spaces, fire fighters to wear self-contained breathing apparatus.

### EXTINGUISHING MEDIA

Carbon dioxide, dry powder, foam or water fog. Do not use a water jet.

**ACUTE EFFECTS OF OVEREXPOSURE:**

INGESTION	Local irritation of oral, oesophageal and gastric mucosae with burning, substernal pain, nausea and vomiting.
INHALATION	Irritation of the nose, throat and lungs. At high concentrations, the vapours may cause systemic toxicity.
CONTACT	Defatting of skin may occur. Prolonged contact may cause dermatitis and chemical burns. Eye contact can cause severe conjunctival irritation and unless promptly washed out, corneal damage with scar formation may occur.
Chronic Effects of Overexposure:	Liver and kidney damage may occur with severe intoxication.
Other Health Hazards:	Aspiration may cause chemical pneumonitis.

**FIRST AID:**

INHALATION	Remove to fresh air if there are adverse reactions. If not breathing, give artificial respiration preferably mouth to mouth. If breathing is difficult seek medical attention.
SWALLOWED	Do not induce vomiting. Give 1 to 2 glasses of water and obtain medical attention. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
EYE CONTACT	Flush eyes with copious amounts of water. Seek medical attention.
SKIN CONTACT	Wash with soap and water. Do not use solvents to clean skin. Remove any soaked clothing and launder before reusing. If irritation persists, seek medical attention.

**EMERGENCY CONTACT NUMBER**

Poisons & Hazardous Chemicals, urgent information only (03) 474 7000

**STABILITY**

Stable.

**MATERIALS TO AVOID**

None indicated.

**HAZARDOUS COMBUSTION PRODUCTS**

None indicated.

**HAZARDOUS POLYMERIZATION**

Will not occur.

**STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED**

Extinguish naked flames, avoid sparks and evacuate personnel from the area. Wear protective equipment as described in section H. Avoid breathing vapour. Soak up liquid with an absorbent material such as sand, earth, sweeping compound or other absorbent material. Package absorbent material or solid product in suitable containers that are in good condition.

Thoroughly clean area where spill occurred. Do not allow material to enter drains, streams or rivers.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with local rules. Be aware that local requirements may differ widely depending on location and may in many cases be different from national rules.

**ENVIRONMENTAL INFORMATION**

Prevent spills from entering storm sewers or drains.

**VENTILATION**

General ventilation is recommended. Avoid excessive inhalation of vapours, especially in confined spaces.

**PROTECTIVE GLOVES & CLOTHING**

Solvent resistant plastic or rubber gloves and overalls are recommended.

**EYE PROTECTION**

Goggles or face shield are recommended when applying.

**OTHER PROTECTION**

Respirator or breathing apparatus if applied in confined spaces or where solvent vapour concentration is high.

**PRECAUTIONS FOR HANDLING AND STORING**

Store in a cool location (15-25 degrees C) away from sources of heat. Keep container tightly closed when not being used.

**OTHER PRECAUTIONS**

Wash hands after use. Do not smoke or eat while handling this product.

**IMPORTANT NOTICE:**

The above recommendations are intended for the assistance of users and are of a general nature. They are based on our experience and judgement but because the conditions under which, and the materials with which our products are used, are beyond our control our recommendations must not be regarded as amounting to legal warranty or as involving any liability on us.