



# FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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## MATERIAL SAFETY DATA SHEET

### PRODUCT: EPAR EPOXY MORTAR HARDENER (grades 705, 802, EX & HPN)

**CHEMICAL FAMILY:** Polyamide Epoxy Hardener (mixture)

SECTION A	IDENTIFICATION	EPAR EPOXY MORTAR HARDENER
UN NUMBER	Not Classified	
HAZARD CLASS:	Non Hazardous	
NZ DANGEROUS GOOD CLASS	Not Regulated	
PROPER SHIPPING NAME	Not Applicable	
SOLUBILITY IN WATER	Miscible	
PACKAGING GROUP	NA	

SECTION B	HAZARDOUS INGREDIENTS	EPAR EPOXY MORTAR HARDENER
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Name	CAS Number	Content
Teta, Reaction Products With Phenol/Formaldehyde	32610-77-8	0.8 – 1.5%
Tetraethylenepentamine	112-57-2	<1.4%

SECTION C	PHYSICAL DATA	EPAR EPOXY MORTAR HARDENER
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VAPOR DENSITY (Air = 1)	Not determined
BOILING POINT IN DEGS C	> 200
SPECIFIC GRAVITY	1.8
VISCOSITY	Paste-like
APPEARANCE AND ODOUR	Dark grey paste with amine (ammonia) odour.

SECTION D	FIRE AND EXPLOSION DATA	EPAR EPOXY MORTAR HARDENER
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FLASH POINT IN DEGS C	> 200
UNUSUAL OR EXPLOSIVE HAZARDS:	None

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

None

### EXTINGUISHING MEDIA

Water spray, foam, dry powder, carbon dioxide, earth.

INGESTION	Not expected to cause adverse health effects for small amounts.
INHALATION	Not generally irritating. May become irritating if heated or used in poorly ventilated areas.  Avoid breathing dust if this product (when mixed with epoxy resin) is to be cut or sanded. Use adequate ventilation and/or protective equipment.
CONTACT	May cause skin problems following repeated or prolonged exposure. Eye irritant. Can cause skin sensitisation following repeated/prolonged exposure.

**FIRST AID:**

INHALATION	Remove injured person to fresh air.
SWALLOWED	<b>DO NOT</b> induce vomiting. In the unlikely event of ingestion, drink water in small sips, then drink citrus fruit juice for neutralisation. Obtain medical attention immediately.
EYE CONTACT	Immediately flush thoroughly with plenty of water for at least 15 minutes. Seek medical attention.
SKIN CONTACT	Remove contaminated clothing. Wash off with plenty of soap and water. Apply hand cream. If persistent irritation occurs, seek medical attention.

If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.

**IN CASE OF FIRE USE EXTINGUISHING AGENTS RECOMMENDED.**

**EMERGENCY CONTACT NUMBER**

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

**STABILITY**

Stable. Excess heat results in charring & liberation of nauseous gas.

**MATERIALS TO AVOID**

Avoid uncontrolled reaction with epoxy resins and acids.

**HAZARDOUS COMBUSTION PRODUCTS**

Unknown

**HAZARDOUS POLYMERIZATION**

May occur.

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

In case of spill, wear protective equipment as described in section H. Avoid breathing vapour in confined spaces. Scrape up excess material and package. Soak up residue with an absorbent material such as sand, earth, sweeping compound or other absorbent material. Package absorbent material or solid product in steel drums that are in good condition.

Thoroughly clean area where spill occurred. Do not allow material to enter drains or surface water.

**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**

Product is not readily biodegradable and may be classified as toxic to aquatic organisms.

**VENTILATION**

Local exhaust is preferred to keep exposure limits low. Mechanical area wide ventilation is acceptable. If this product is to be used in an area of poor ventilation, a full or half facemask, with a filter suitable to provide protection from organic gases and vapours, should be worn.

**PROTECTIVE GLOVES & CLOTHING**

Protective clothing such as overalls should be worn. Wear Neoprene rubber gloves, impervious to chemicals, preferably long, for prolonged contact. Wear rubber boots. Remove and launder clothing soaked or soiled with this material before re-use.

**EYE PROTECTION**

Not necessary under normal use.

**OTHER PROTECTION**

Use barrier cream on exposed areas of skin. Avoid skin contact. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should be avoided.

**PRECAUTIONS FOR HANDLING AND STORING**

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

**OTHER PRECAUTIONS**

Use barrier cream on exposed areas of skin. In general, avoid prolonged or repeated skin contact, especially with paste-like epoxy hardener (EPAR HPN and EPAR 802). If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should be avoided.

**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 and data believed to be reliable 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.