



# FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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

Telephone (64 4) 567 8436, Fax (64 4) 567 7232, Email fbs@fbsltd.co.nz, Web www.fbsltd.co.nz

## MATERIAL SAFETY DATA SHEET

### PRODUCT: EPAR 125 HARDENER

CHEMICAL FAMILY: Polyamide/Amine Epoxy Hardener

SECTION A	IDENTIFICATION	EPAR 125 HARDENER
UN NUMBER	1760	
NZ DANGEROUS GOOD CLASS	8	
PROPER SHIPPING NAME	CORROSIVE LIQUID, N.O.S.	
PACKAGING GROUP	II	
HAZCHEM	2X	

SECTION B	HAZARDOUS INGREDIENTS	EPAR 125 HARDENER
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Name	CAS Number	Content
1,2-Ethanediamine, N,N'-bis-(2-aminoethyl)-	112-24-3	50 – 60%

SECTION C	PHYSICAL DATA	EPAR 125 HARDENER
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SOLUBILITY IN WATER	75%
VAPOR DENSITY (Air = 1)	5
BOILING POINT IN DEGS C	270
SPECIFIC GRAVITY	0.98
PERCENT VOLATILES	2% by volume
VISCOSITY	Liquid
APPEARANCE AND ODOUR	Pale yellow, amine odour.

SECTION D	FIRE AND EXPLOSION DATA	EPAR 125 HARDENER
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FLASH POINT	>100°C
UNUSUAL OR EXPLOSIVE HAZARDS:	None

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

Oxides of Nitrogen may be evolved during a fire. Contain water used for extinguishing.

### EXTINGUISHING MEDIA

Water mist, Dry chemical, Foam, Carbon dioxide.

INGESTION	Moderately toxic. Depending on the amount swallowed may cause burns to mouth and throat, nausea, dizziness, abdominal pain and diarrhoea.
INHALATION	Avoid inhalation. Vapour is irritating and may cause burning sensation of the nose and throat. Use only in well-ventilated area. May aggravate asthma.
CONTACT	Avoid contact. May cause skin problems following prolonged exposure. May cause local discomfort or pain, redness and swelling following prolonged contact. Can cause severe eye irritation, experienced as discomfort or pain, excess blinking and tear production, marked excess redness. May cause skin sensitisation and aggravate existing dermatitis.

**FIRST AID:**

In all cases of suspected poisoning, seek medical aid at once. In the interim, the following first aid measures are appropriate.

INHALATION	Remove injured person to fresh air. In case of irritation of respiratory system or mucous membranes, or if feeling unwell or prolonged exposure, seek medical attention.
SWALLOWED	<b>DO NOT</b> induce vomiting. Drink 500 – 800ml water. In case of vomiting, give water repeatedly. Do not give anything by mouth if unconscious. 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 information only (03) 474 7000

**STABILITY**

Stable.

**MATERIALS TO AVOID**

Avoid uncontrolled reaction with epoxy resins and acids. Avoid static discharges.

**HAZARDOUS COMBUSTION PRODUCTS**

Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases or vapours.

**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. Soak up liquid 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. Prevent contamination of soil, drains and surface waters.

**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. Wear rubber boots. Remove and launder clothing soaked or soiled with this material before re-use.

**EYE PROTECTION**

Wear suitable goggles or face protection.

**OTHER PROTECTION**

Use barrier cream on exposed areas of skin. Avoid all 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 (10-25 degrees C) away from incompatible materials. Keep container tightly closed when not being used. Store away from food and drink.

**OTHER PRECAUTIONS**

Causes eye and skin burns. Harmful and corrosive if swallowed. Avoid skin contact. Use only in areas with adequate ventilation. Avoid breathing vapour. Always wear safety gear when using this product. 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 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.