



# FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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## MATERIAL SAFETY DATA SHEET

### PRODUCT: EPAR 226 EPOXY RESIN

CHEMICAL FAMILY: Liquid Epoxy Resin

SECTION A	IDENTIFICATION	EPAR 226 EPOXY RESIN
UN NUMBER	Not Classified	
HAZARD CLASS:	Non Hazardous	
NZ DANGEROUS GOOD CLASS	Not Regulated	
MARINE TRANSPORT	May be classified as environmentally hazardous, UN 3082, Class 9, Packing group III.	
AIR TRANSPORT	May be classified as environmentally hazardous. Refer current IATA/ICAO regulations.	
PRIMARY COMPONENTS (CAS#)	Liquid epoxy resin (25068-38-6)	
PROPER SHIPPING NAME	Not Applicable	
PACKAGING GROUP	NA	

SECTION B	HAZARDOUS INGREDIENTS	EPAR 226 EPOXY RESIN
Name	CAS Number	Content
Epoxy Resin	25068-38-6	50 – 60%

SECTION C	PHYSICAL DATA	EPAR 226 EPOXY RESIN
BOILING POINT IN DEGS C	>200	
SPECIFIC GRAVITY	1.12	
SOLUBILITY IN WATER	Negligible	
VISCOSITY	Liquid	
APPEARANCE AND ODOUR	Clear liquid (to pale yellow) with slight odour.	

SECTION D	FIRE AND EXPLOSION DATA	EPAR 226 EPOXY RESIN
FLASH POINT	> 150°C	
UNUSUAL OR EXPLOSIVE HAZARDS:	Not classified as flammable.	

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

Not classified as flammable, but will burn at high temperatures. In case of hazardous fumes, wear self-contained breathing apparatus. To avoid hazardous vapours, approach fire from upwind.

### EXTINGUISHING MEDIA

Water spray, foam, dry powder, carbon dioxide, sand or earth (for small fires). Do not use water jet.

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<b>SECTION E</b>	<b>HEALTH HAZARD DATA</b>	<b>EPAR 226 EPOXY RESIN</b>
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INGESTION	Acute oral LD50 (rat) > 2000 mg/kg. Expected to be of low toxicity.
INHALATION	Not generally an irritant at normal temperatures. At elevated temperatures, vapours may cause respiratory irritation.
CONTACT	Acute dermal LD50 (rat) > 2000 mg/kg, low toxicity. May cause skin and eye irritation on prolonged or repeated exposure. May cause skin sensitisation, however not mutagenic.

In all cases of suspected poisoning, seek Medical Aid at once. In the interim, the following first-aid measures are appropriate:

**FIRST AID:**

INHALATION	No specific measures, however remove to fresh air if there are adverse reactions. If symptoms persist, seek medical attention.
SWALLOWED	In the unlikely event of ingestion, <b>DO NOT</b> induce vomiting. Give nothing by mouth. Call a doctor.
EYE CONTACT	Immediately flush thoroughly with plenty of water for at least 15 minutes. If persistent irritation occurs, obtain medical attention.
SKIN CONTACT	Immediately remove contaminated clothing. Wash off with plenty of water, using a shower if required. Avoid use of solvents. If persistent irritation occurs, seek medical attention.

If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should be avoided.

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

**EMERGENCY CONTACT NUMBER**

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

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<b>SECTION F</b>	<b>REACTIVITY DATA</b>	<b>EPAR 226 EPOXY RESIN</b>
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**STABILITY**

Stable.

**MATERIALS TO AVOID**

Avoid uncontrolled reaction with epoxy hardeners. Avoid contact with strong oxidising agents and caustic soda.

**HAZARDOUS COMBUSTION PRODUCTS**

Unknown

**HAZARDOUS POLYMERIZATION**

Product polymerises exothermically when well mixed with amines, mercaptans and Lewis acids at ambient temperatures and above.

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

In case of spill, wear protective equipment as described in section H. In a confined space, 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 plastic or 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**

Prevent contamination of soil and water. Product is not readily biodegradable and has potential to bioaccumulate. Toxic to aquatic organisms, practically non-toxic for sewage treatment.

**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**

Standard issue 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**

Safety goggles or full-face shield are recommended and should be worn at all times when handling liquid epoxies.

**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 (10-25 degrees C) away from incompatible materials. Keep container tightly closed when not being used.

**OTHER PRECAUTIONS**

Use with adequate ventilation. Avoid skin and eye contact. 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.