



FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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MATERIAL SAFETY DATA SHEET

PRODUCT: EPAR 705/802/EX/HPN EPOXY COLD CURE HARDENER

CHEMICAL FAMILY: Cycloaliphatic Amine (mixture)

SECTION A IDENTIFICATION EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

UN NUMBER	2735
HAZARD CLASS:	CORROSIVE
NZ DANGEROUS GOOD CLASS	8
PROPER SHIPPING NAME	(POLY)AMINES LIQUID CORROSIVE, N.O.S.
SOLUBILITY IN WATER	Slight
PACKAGING GROUP	III

SECTION B HAZARDOUS INGREDIENTS EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

Name	CAS Number	Content
BENZYL ALCOHOL	100-51-6	6%
Mannich Base		<10%
BENZENE-1, 3-DIMETHANAMINE	1477-55-0	<3%
N-AMINOETHYLPIPERAZINE	140-31-8	<2%
TETA, REACTION PRODUCTS WITH PHENOL/FORMALDEHYDE	32610-77-8	<2%
TETA	112-24-3	0.6%
PHENOL	108-95-2	0.6%

SECTION C PHYSICAL DATA EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

VAPOR DENSITY (Air = 1)	Not determined
BOILING POINT IN DEGS C	Not determined
SPECIFIC GRAVITY	1.8
VISCOSITY	Mortar (705 & EX grades) Paste-like (HPN & 802 grades)
APPEARANCE AND ODOUR	Dark grey paste/mortar with amine (ammonia) odour.

SECTION D FIRE AND EXPLOSION DATA EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

FLASH POINT	Not determined (very high)
UNUSUAL OR EXPLOSIVE HAZARDS:	None
HAZCHEM	N/A

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

May generate toxic, irritating or flammable combustion products. May generate carbon monoxide gas. May generate toxic nitrogen oxide gases. May generate ammonia gas. Evacuate personnel in vicinity.

EXTINGUISHING MEDIA

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

SECTION E HEALTH HAZARD DATA EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

INGESTION	Not expected to cause adverse health effects for small amounts.
INHALATION	Not generally irritating. Repeated or prolonged exposure to vapours may cause a sore throat that is transient. Use in a well-ventilated area. 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 (dryness, irritation, defatting) following repeated or prolonged exposure. Eye irritant. Contact with eye can cause pain, redness or damage unless flushed with water immediately. Can cause skin sensitisation following repeated/prolonged exposure.

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.
SWALLOWED	DO NOT induce vomiting. In the unlikely event of ingestion, drink 3 – 4 glasses of water. 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

SECTION F REACTIVITY DATA EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

STABILITY

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

MATERIALS TO AVOID

Avoid uncontrolled reaction with epoxy resins and acids.

HAZARDOUS COMBUSTION PRODUCTS

Unknown

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION G SPILL OR LEAK PROCEDURES EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER

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

Mix any residual product with EPAR 802 Epoxy Resin and 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

No data available.

SECTION H SPECIAL PROTECTION INFORMATION **EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER**

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, however ensure product does not contact eyes.

OTHER PROTECTION

Use barrier cream on exposed areas of skin. Avoid skin contact. Primary exposure route is through skin contact. Mix product using a spatula or other mechanical means. Apply using appropriate tools. If applied by hand, wear appropriate gloves. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should be avoided.

SECTION I SPECIAL PRECAUTIONS **EPAR 705/802/EX/HPN COLD CURE EPOXY HARDENER**

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 Cold Cure and EPAR 802 Cold Cure). 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.