



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 705, EX 5 & 15-MINUTE EPOXY HARDENER

CHEMICAL FAMILY: Mercaptan – Terminated Polymer (mixture)

SECTION A	IDENTIFICATION	EPAR 705, EX 5 & 15-MIN HARDENER
UN NUMBER	NA	
HAZARD CLASS:	Not determined.	
NZ DANGEROUS GOOD CLASS	Not Regulated.	
PROPER SHIPPING NAME:	Not regulated for road transportation.	
PACKAGING GROUP	NA	
MISCELLANEOUS	Contains 22% Polymercaptan (non-hazardous), <3% Amine Polymer (health hazard) and fillers.	

SECTION B	HAZARDOUS INGREDIENTS (HEALTH)	EPAR 705, EX 5 & 15-MIN HARDENER	
Component	Name	CAS Number	Content
1	2,4,6-Tris (Dimethylaminomethyl) Phenol	90-72-2	<3%

SECTION C	PHYSICAL DATA	EPAR 705, EX 5 & 15-MIN HARDENER
VAPOUR DENSITY (Air = 1)	Not determined	
BOILING POINT IN DEGS C	Not determined	
SPECIFIC GRAVITY	1.8	
VISCOSITY	Mortar	
PERCENT VOLATILES	0.3 @ 21 °C	
PH	Not determined	
APPEARANCE AND ODOUR	Black mortar with Mercaptan odour	

SECTION D	FIRE AND EXPLOSION DATA	EPAR 705, EX 5 & 15-MIN HARDENER
FLASH POINT	> 150°C	
UNUSUAL OR EXPLOSIVE HAZARDS:	None	

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

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

SECTION E**HEALTH HAZARD DATA****EPAR 705, EX 5 & 15-MIN HARDENER**

Component 1 in isolation at 100% concentration causes severe eye and skin irritation. Component 1 constitutes < 3% total volume of EPAR 705/EX 5 & 15-Minute Hardener. Health Hazard Data is primarily based on presence of component 1 in this product.

INGESTION	Based on presence of component 1 may be harmful if swallowed.
INHALATION	May be harmful if vapours are inhaled in large amounts or for prolonged periods.
CONTACT	Based on the presence of component 1, causes skin and eye irritation. Wear gloves when mixing by hand. Being a mortar, eye contact will be primarily due to material being rubbed in eyes from gloves.

FIRST AID:

INHALATION	If inhaled excessively, remove to fresh air. If there are adverse reactions call a physician.
SWALLOWED	Do NOT induce vomiting. Immediately drink a large quantity of water and call a doctor.
EYE CONTACT	If rubbed in eyes, hold eyelids open and flush thoroughly with plenty of water for at least 15 minutes. Get immediate medical attention. Avoid rubbing eyes.
SKIN CONTACT	Remove contaminated clothing if applicable. Wash off with plenty of soap and water. Call a doctor if there are adverse reactions.

PRIMARY ROUTES OF EXPOSURE

Dermal Yes

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, EX 5 & 15-MIN HARDENER**

STABILITY

Stable.

MATERIALS TO AVOID

Avoid uncontrolled reaction with epoxy resins.

HAZARDOUS COMBUSTION PRODUCTS

May include: Carbon dioxide, carbon monoxide, hydrogen sulphide, oxides of sulphur.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION G**SPILL OR LEAK PROCEDURES****EPAR 705, EX 5 & 15-MIN 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

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, EX 5 & 15-MIN 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. Wear rubber boots. Remove and launder clothing soaked or soiled with this material before re-use.

EYE PROTECTION

Not generally required under normal use.

OTHER PROTECTION

Use barrier cream on exposed areas of skin. Avoid skin contact.

SECTION I	SPECIAL PRECAUTIONS	EPAR 705, EX 5 & 15-MIN 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 with adequate ventilation; avoid prolonged or repeated breathing of vapours. Use good handling procedures when using epoxy resin and hardener systems. Avoid skin 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.