



FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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MATERIAL SAFETY DATA SHEET

PRODUCT: ETCHING FLUID

CHEMICAL FAMILY: AQUEOUS RESIN SOLUTION

SECTION A IDENTIFICATION **ETCHING FLUID**

UN Number Not Regulated
NZ Dangerous Good class NA
Packaging Group III

SECTION B HAZARDOUS INGREDIENTS **ETCHING FLUID**

No.	Name	CAS Number	Content	WES-TWA	WES-STEL
1	Ethanol	64-17-5	15 – 17% by weight	1000	1880
2	Methanol	67-56-1	<0.85% by weight	200 skin	262 skin

SECTION C PHYSICAL DATA **ETCHING FLUID**

VAPOUR DENSITY No data
BOILING POINT IN DEGS C >100
SOLUBILITY IN WATER 100%
EVAPORATION RATE No data
SPECIFIC GRAVITY 1.035
PERCENT VOLATILE BY VOLUME 17%
APPEARANCE AND ODOUR Clear blue liquid, sweet smell.

SECTION D FIRE AND EXPLOSION DATA **ETCHING FLUID**

FLASH POINT Will not burn

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

None.

EXTINGUISHING MEDIA

Water spray.

FIRST AID:

INGESTION	Seek immediate medical attention. If medical attention will be delayed, induce vomiting with Ipecac Syrup APF followed by a glass of water. If Ipecac Syrup APF is not available, induce vomiting by placing finger down the throat. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.
SKIN CONTACT	Wash contact areas with water. Remove contaminated clothing and wash before re-use.
INHALATION	Remove from exposure. If respiratory irritation persists, seek medical attention.
EYE CONTACT	Flush thoroughly with water. If irritation persists, seek medical attention.
OTHER HEALTH EFFECTS	Note to doctor. Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately. This product contains Methylated Spirits 95WP. This contains methanol, ethylene glycol or diethylene glycol which if ingested is metabolised to toxic metabolites by the enzyme alcohol dehydrogenase for which ethanol is a competitive antagonist. Administration of oral or intravenous ethanol may arrest further metabolism of these materials. Use of ethanol does not affect toxic metabolites that are already present and is not a substitute for hemodialysis.

SYMPTOMS OF EXPOSURE

Symptoms of overexposure include:

Eye irritation – pain, tearing, redness and swelling.

Skin irritation – reddening, swelling, and rash.

Respiratory irritation – sore throat, nausea, irritation of mucous membranes.

Ingestion: - characteristic signs of alcoholism with initial excitation followed by depression. Death can result from respiratory failure in cases of severe overexposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product.

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

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective gear.

HAZARDOUS POLYMERIZATION

Will not occur.

STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED

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 or plastic drums that are in good condition.

Thoroughly clean area where spill occurred with 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. When intending to dispose of this material, the user is advised that this product may be classified as a Hazardous Waste under Regulations in effect at the time this MSDS was created.

VENTILATION

Local exhaust is preferred to control vapour concentration. Mechanical area wide ventilation is acceptable.

PROTECTIVE GLOVES

PVC desirable for prolonged contact

EYE PROTECTION

Safety glasses or full-face shield are recommended if spraying.

OTHER PROTECTION

Overalls and boots.

PRECAUTIONS FOR HANDLING AND STORING

Keep container tightly closed when not being used.

OTHER PRECAUTIONS

None.

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 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.