



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: CONSEAL/CONSEAL GREY

CHEMICAL FAMILY: Synthetic Resin Solution

SECTION A	IDENTIFICATION	CONSEAL
UN Number	1866	
Proper Shipping Name	RESIN SOLUTION FLAMMABLE (contains Methylated Spirits 95WP)	
NZ Dangerous Good class	3	
Packaging Group	II	
Hazchem	2[Y]E	
Risk Phrase	R11 Highly Flammable.	
Caution:	Harmful Substance. Keep out of reach of children.	

SECTION B	HAZARDOUS INGREDIENTS	CONSEAL		
No.	Name	CAS Number	Content	TWA (ppm mg/m ³)
1	Ethanol	64-17-5	—	1000 1880
2	Methanol	67-56-1	< 3%	200 262 (skin)

SECTION C	PHYSICAL DATA	CONSEAL
VAPOUR DENSITY (Air = 1)	>1	
BOILING POINT IN DEGS C	>70	
SOLUBILITY IN WATER	Slight	
SPECIFIC GRAVITY	0.875 (0.965 Conseal Grey)	
PERCENT VOLATILE BY VOLUME	85	
EVAPORATION RATE (NbuA = 1)	Not established	
APPEARANCE AND ODOUR	Colourless (or grey) liquid with ethanol odour	

SECTION D	FIRE AND EXPLOSION DATA	CONSEAL
FLASH POINT	14°C	
AUTOIGNITION TEMPERATURE	Not established	

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

CAUTION! Flammable/combustible liquid & vapour. Product is flammable/combustible and will burn when exposed to heat, spark or flame. Use self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Fight fire from a safe distance. When mixed with air and exposed to a source of ignition, vapours may burn or explode. Flammable vapours are heavier than air and may travel long distances before igniting/flashing back to the vapour source.

Wear protective clothing and self-contained breathing apparatus.

EXTINGUISHING MEDIA

Water fog, foam, dry chemical, carbon dioxide, sand or earth. Do not use water jet.

EFFECTS OF OVEREXPOSURE	Overexposure to CONSEAL can result in characteristic signs of alcoholism with initial excitation followed by depression. Death can result from respiratory failure in cases of severe overexposure. At very high concentrations, coughing, drowsiness and fatigue may result.
INGESTION	Harmful. Acute Oral LD50 > 200. Aspiration into the lungs may cause chemical pneumonitis that can be fatal.
SKIN CONTACT	Practically non-toxic. Acute Dermal LD50 > 2000 mg/kg. Slight irritant. Prolonged or repeated contact may cause defatting of the skin that can lead to dermatitis. Wear gloves and overalls and eye protection when applying.
INHALATION	Harmful.
EYE CONTACT	Irritant. Avoid contact with eyes. Wear eye protection at all times during handling and use.
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 from further exposure. If inhaled remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult seek medical attention. Call a physician if rapid recovery does not occur.
SWALLOWED	Seek immediate medical attention. If medical attention will be delayed induce vomiting by Ipecac Syrup APF or by placing finger down throat. Follow with a glass of water. Do not induce vomiting or give anything by mouth to an unconscious person.
EYE CONTACT	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if worn. Call a physician if discomfort continues.
SKIN CONTACT	Remove contaminated clothing and shoes. Wash affected area with plenty of water and soap. Remove contaminated clothing and laundry before re-use. Do not use solvents to clean skin. If irritation or redness develops and persists, seek medical attention.

ADVICE TO DOCTOR

CONSEAL contains Methylated Spirits 95WP that includes substances to render it unfit as a beverage. These substances may induce vomiting and systemic effects if large amounts of the product are ingested. This product contains Methanol 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 haemodialysis.

EMERGENCY CONTACT NUMBER

Poisons and Hazardous Chemicals Information Centre, phone (03) 474 7000

IN CASE OF FIRE USE EXTINGUISHING AGENTS RECOMMENDED.

STABILITY

Stable

MATERIALS TO AVOID

Avoid sources of heat, naked flames and sparks. No smoking. Take precautionary measures against static discharges. Earth all equipment. Do not use compressed air for discharging or handling. Avoid contact with skin, eyes and clothing. Do not breathe vapour.

HAZARDOUS DECOMPOSITION PRODUCTS

Initially flammable solvent vapours. Carbon monoxide. 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

WARNING FLAMMABLE - ELIMINATE ALL SOURCES OF IGNITION.

Evacuate area of all non-essential personnel.

Small Spill

Soak up liquid with an absorbent material such as sand, earth, sweeping compound or other absorbent material. Shovel up and place in a labelled sealable container that is in good condition for subsequent disposal. Flush contaminated area with water.

Large Spill

Prevent the spilt liquid from spreading by the use of sand and earth. Transfer to a suitable container for subsequent disposal.

Thoroughly clean area where spill occurred with water.

WASTE DISPOSAL METHOD

Transfer waste to a labelled, sealable container for safe disposal. 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.

SECTION H

SPECIAL PROTECTION INFORMATION

CONSEAL

VENTILATION

Local exhaust is preferred to control vapour concentration. Use only in a well-ventilated area. If there is a ventilation risk, wear a half mask respirator fitted with organic vapour cartridge.

PROTECTIVE GLOVES

Oil impervious gloves.

EYE PROTECTION

Normal industrial eye protection practices should be followed.

OTHER PROTECTION

Clothing to prevent skin contact (e.g., overalls) and solvent resistant safety boots (no eyelets). Safety shower and eye bath.

SECTION I

SPECIAL PRECAUTIONS

CONSEAL

PRECAUTIONS FOR HANDLING AND STORING

Store in a cool location (15-25 degrees C) away from sunlight and any source of heat, sparks or flame. Keep container tightly closed when not being used.

OTHER PRECAUTIONS

Use with adequate ventilation; avoid breathing of vapours, especially if product is sprayed. Avoid fine spray mists. Avoid skin contact. Use in an area free from flame and sparks.

Prevent contamination of soil and water.

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.