

MATERIAL SAFETY DATA SHEET

FLOORCOAT CONCRETE FLOORPREP

Date : 1 July 2003

HAZARDOUS NATURE Corrosive

MANUFACTURER **EPG (2002) Limited**
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IDENTIFICATION

PRODUCT NAME Floorcoat Concrete Floorprep
Manufacturers Product Code COA
Shipping Name Corrosive Liquid N.O.S.
U.N. Number Not classified
Dangerous Goods Class 8
Subsidiary Risk Not Applicable
Hazchem Code 2R
Toxic Substances Schedule S6 NZS3
Packing Group III
Uses Etching & cleaning concrete

PHYSICAL DESCRIPTION/PROPERTIES

Appearance & Odour Honey coloured liquid low odour
Boiling Point > 200 deg C
Specific Gravity @ 20°C 1.15 – 1.17
Flash Point, °C >150
Flammability Limits No Data
Volatile Content <90% by Weight
Solubility in Water, % mass Miscible

INGREDIENTS

Chemical Entity	CAS No.	Weight%	LD50	Hazard Symbols	Risk Phrases
Phosphoric acid	7664-38-2	10-20			R21/22,R34 R52
Sulphamic acid	5329-14-6	1-10			
Ethylene Glycol					
Monobutyl Ether	1761-71-3	10-20	625mg/kg		R51/53, R35/37

Ingredients determined to be non hazardous, or below the hazardous threshold: to 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE EFFECTS OF OVER EXPOSURE

SWALLOWED The concentrate is highly corrosive, harmful if swallowed and is capable of causing burns to mouth, throat and esophagus, with extreme discomfort pain. Small amounts or low dose rates are regarded as practically non-harmful. Ingestion of large quantity may cause severe abdominal pains, thirst, academia, difficult breathing, convulsions, collapse, shock and death.

EYE CONTACT The concentrate is extremely corrosive to the eyes and is capable of causing severe damage with loss of sight. The material may cause severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may cause conjunctivitis.

SKIN CONTACT The concentrate is extremely discomforting to the skin and is capable of causing severe burns or skin reactions which may lead to dermatitis. The material may cause severe skin irritation after prolonged or repeated exposure and may cause on contact, skin irritation or dermatitis, and may cause moderate to strong sensitizing of skin.

INHALED Not expected to be an inhalation hazard under normal conditions as product is non volatile. The vapour/mist is highly discomforting to the upper respiratory tract and may cause breathing difficulty, choking and breathing difficulty. Vapour at elevated temperatures may cause respiratory irritation. May cause Prolonged or repeated inhalation may cause pulmonary oedema (lung damage) and cyanosis.

CHRONIC EFFECTS OF Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapours, especially at higher temperatures. The product does not cause phosphorus poisoning. No acute toxicity data available. For this reason health effects described are based on experience with chemically related materials.

EMERGENCY AND FIRST AID

SWALLOWED If poisoning occurs, contact a doctor or Poisons Information Centre NZ (03) 474 7000

EYES Flush eyes with copious quantities of fresh water for at least fifteen (15) minutes.
Retract eyelids frequently. Seek medical attention immediately!

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SKIN Wash skin thoroughly with soap and water. If skin irritation occurs, the affected should be removed from all association with solvents, resins, curing agents and formulated mixtures and referred to a doctor.

INHALATION No specific measures are necessary at normal temperatures. Vapour of mixed product at elevated temperatures can cause irritation. Remove the affected to fresh air source.

NOTES TO PHYSICIAN

Airway problems may arise from laryngeal edema and inhalation exposure. Treat with 100% oxygen initially. Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling. Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise.

Strong acids produce a coagulation necrosis characterized by formation of a coagulum (eschar) as a result of the acid on proteins in specific tissues.

If skin sensitization has developed, and a causal relationship has been confirmed, further exposure to this product and analogous compounds should not be allowed. Treat Symptomatically.

PRECAUTIONS FOR USE

REACTIVITY DATA

STABILITY

STABLE

When stored separately in tightly sealed original container.

CONDITIONS TO AVOID

Temperatures above 200-250°C.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

May form toxic materials. Phosphorus analogues, phosphorus pentoxide, etc.

EXPOSURE STANDARDS

TVL TWA: 1 mg/m³ [ACGIH]
TVL STEL: 3 mg/m³ [ACGIH]
PEL TWA: 1 mg/m³ [OSHA Z1]

ENGINEERING CONTROLS

Local exhaust not required. Adequate ventilation to keep vapour concentrations below TLV recommended

SAFE HANDLING INFORMATION

STORAGE

Store in original container. Keep container closed at all times. Store in a cool, well ventilated place, below 25°C. Store away from heat, naked flames, and sparks. Store away from direct sunlight. Store away from oxidizing agents, and their vapours.

TRANSPORT

Store securely away from children. Keep away from foodstuffs, drink, and washing areas.

SPILLS AND DISPOSAL

For local transportation within New Zealand refer NZS 5433:1999

Not classified as Flammable.

Spills Minor – Dilute with water. Neutralise if necessary with sodium carbonate, calcium carbonate, bentonite and sand. Collect in drums and arrange for disposal by a competent contractor, in accordance with local regulations.

Spills Major – Wear appropriate protective clothing and equipment. Dyke area of spill and neutralise if necessary with sodium carbonate, calcium carbonate, bentonite and sand Transfer to empty plastic drums. Arrange for disposal by a competent contractor, in accordance with local regulations.

Disposal – Preferably use up all of the material before disposing of the container. If it is not possible to use up all of the material, arrange for disposal by a competent hazardous waste contractor by incineration or landfill as appropriate, in accordance with local regulations.

FIRE EXPLOSION HAZARD

Not deemed to be a Fire Explosion Hazard.

OTHER INFORMATION

SAFETY

Refer to Technical Data Sheet for this product for Directions for Use.

RISK & SAFETY PHRASES

Risk Phrases :

R20/21/22,

R34/35/36/37/38 Irritating to eyes and skin

R51/52/53 Toxic to aquatic organisms, may cause long term adverse affects in the aquatic environment

Safety Phrases :

S28 After contact with skin, wash immediately with plenty of soap and water

S37/39 Wear suitable gloves and eye/face protection

CONTACT POINT

Manager 649 573 1112 or 027 438 9946 (24 Hours)

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