

CONSTRUCTION CHEMICALS

CERAMIC TILE
ADHESIVES
& GROUTS

Dribond

WATERPROOFING PRODUCTS
FOR CONCRETE AND MASONRY

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MATERIAL SAFETY DATA SHEET

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Code: Red

IDENTIFICATION

Product Name: **KEMCLEAN**

UN Number: 1805

Dangerous Goods Class: 8

Subsidiary Risk Class: Not Listed

Hazchem Code: 2R

Packaging Group: III

Poisons Schedule: S5

Use: A heavy duty cleaner for tiled and masonry surfaces.

Classified as hazardous according to criteria of Worksafe Australia.

Physical Description/Properties

Appearance: Amber liquid

Boiling Point (°C): 100

Vapour Pressure (kPa): Not available

Specific Gravity: 1.1 @ 15°C

Flash Point (°C): Not applicable - will not burn

Flammability Limits: Not flammable

Solubility in Water: Miscible in all proportions

Ingredients

Phosphoric acid

CAS No.

7664-38-2

Proportion

35 %

Ingredients determined not hazardous

1 %

Water

to 100 %

HEALTH HAZARD INFORMATION

Health Effects

Swallowed - Strong mineral acid which is corrosive to all tissues.

Eye - Strong mineral acid, will irritate eyes and can cause permanent damage.

Skin - Mineral acid which is corrosive to skin, can cause burns.

Inhaled - This acid has low vapour pressure at ambient temperatures. Hence under normal conditions, the concentration in the air will be insufficient to cause irritation to the nose or respiratory system. However, mists or fine droplet dispersions of acid are irritant and can cause damage to nasal passages and teeth.

Chronic - Prolonged exposure to mists can cause throat irritation.

First Aid

Swallowed - **Do not induce vomiting.** Immediately give plenty of water or milk and seek medical attention.

Eye - Irrigate with copious quantities of water. If soreness or redness persists, seek medical attention.

Skin - Wash off with soap and water. Remove contaminated clothing and launder before re-use.

Inhalation - Move to fresh air, keep warm and at rest. Seek medical attention.
Apply artificial respiration if not breathing.

Advice to Doctors

Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Limits - National Occupational Health and Safety Commission Exposure Standard: 8 hr Time Weighted average (TWA) 1mg/m³; Short Term Exposure Limit (STEL) 3mg/m³.

Ventilation - Avoid breathing vapour. Use in well ventilated area. Local exhaust ventilation usually required. Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Personal Protection - Avoid eye and skin contact. Wear chemical goggles or face shield. Wear breathing apparatus in confined areas or where mists are present.

Flammability - Will not burn, does not support combustion.

SAFE HANDLING INFORMATION

Storage and Transport - Avoid contact with heat, alkalis, flammable goods, foodstuffs and empty foodstuff receptacles and oxidising agents. Store and transport in accordance with regulations for class 8 (corrosive) Dangerous Goods Packaging Group III. Containers should always be kept in storage properly labelled. Store only in original containers.

Spills and Disposal - Keep public away. For major spills, dam and recover. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, earth or sawdust. Neutralise residual acid and small spills with a mild alkali, such as soda ash and wash area thoroughly. Ensure waste disposal conforms with local waste disposal regulations. After recovery and evaporation remaining soil may be disposed of to approved landfill, or if approved, allowed to degrade insitu.

Fire/Explosion Hazard - Phosphoric acid will not burn, however it can react with metals to liberate Hydrogen, a flammable, potentially explosive gas. In a fire it may produce phosphorus oxide fumes. Wear self-containing breathing apparatus.

ADDITIONAL INFORMATION

Phosphoric acid is corrosive to many metals and should not be allowed to come in contact with mild steel, cast iron, aluminum alloys, brass's, tinned or galvanised materials.

All information in this data sheet is as accurate and up-to-date as possible. Since Construction Chemicals cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Construction Chemicals will not be responsible for damages of any nature resulting from use of or reliance upon the information.