

MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
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ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: PORCELAIN & TILE CLEANER
PART NUMBER: K-485
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Revision Date: July 20, 2001

SECTION I - GENERAL

Chemical Name & Synonym: Not Applicable
Trade Name & Synonyms: PORCELAIN & TILE CLEANER
Chemical Family: Aqueous solution
DOT Basic Description: Phosphoric acid solution, 8, UN1805, III
Formula: Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

Phosphoric acid	CAS No.	7664-38-2
2-Propanol	CAS No.	67-63-0
2-Butoxyethanol	CAS No.	111-76-2

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): Not determined
Vapor Pressure (mm Hg @ 20°C): Not applicable
Vapor Density (Air = 1): Not determined
Specific Gravity (H₂O = 1): 1.055
% Volatile by Volume: Not determined
Evaporation Rate (H₂O = 1): Not determined
Solubility in Water: Miscible
Appearance and Odor: Clear red fluid with baby powder fragrance

SECTION IV - FIRE AND EXPLOSION

HAZARD DATA

Flammable Limits (%):
- LEL: Not applicable
- UEL: Not applicable
Flash Point (Method Used): Not applicable
Extinguishing Media: Non-combustible. Use agents as appropriate for materials in surrounding fire.
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: Will liberate flammable hydrogen gas on contact with many metals.

SECTION V - HEALTH HAZARD DATA

Route of Entry: Eye contact, skin absorption, ingestion
Carcinogenic Assessment: Not listed
Threshold Limit Value: Not determined
Effects of Overexposure: Corrosive material. Severe irritant to all body tissues. Prolonged or repeated contact may damage or destroy body tissues. Eye contact can cause irritation, severe burns and permanent damage including blindness. Repeated or prolonged skin contact can cause irritation, dermatitis and burning of the skin. Ingestion can cause severe irritation or burns of the mouth, esophagus and stomach. Nausea, pain and vomiting may occur. Ulceration, kidney inflammation, shock and unconsciousness may occur.
Emergency & First Aid Procedures: Eye contact: Flush with water for at least 15 minutes, lifting the upper and lower lids occasionally. Get prompt medical attention.
Skin contact: Flush with large quantities of water. If irritation persists, get medical attention.
Ingestion: **DO NOT INDUCE VOMITING.** Ingest 3 or 4 glasses of water and milk of magnesia, a solution of water and baking soda, then follow with water beaten with egg whites or vegetable oil. Call a physician immediately.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Bases and metals
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Neutralize with baking soda. Wash away or mop up with large volumes of water
Waste Disposal Method: Dispose of in accordance with all local, state, and federal regulations. Rinse container well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally needed at ambient conditions.
Ventilation: Special ventilation is not normally needed.
Protective Gloves: Latex or vinyl.
Eye Protection: Safety glasses or goggles recommended.
Other Protective Equipment: None.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in original shipping containers. Keep closed when not in use. Do not store near alkalis or other reactive materials. Shelf life is 1 year.
Protect from extreme heat or cold.
Other Precautions: Do not mix with other chemicals or cleaners. Keep out of reach of children. Read & follow label instructions.
DOT Classification: Corrosive liquid
DOT Basic Description: Phosphoric acid, solution, 8, UN1805, III