

## MATERIAL SAFETY DATA SHEET

**MANUFACTURER:** K & K Chemical Co.  
**TELEPHONE NO.:** (800) 327-0646  
**ADDRESS:** 1303 Industrial Drive, Royse City, TX 75189

**PRODUCT:** PORCELAIN & TILE CLEANER  
**PART NUMBER:** K-485  
MSDS Prepared By: J. Austin Maglothin, Ph.D.  
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 (H<sub>2</sub>O = 1): 1.055  
% Volatile by Volume: Not determined  
Evaporation Rate (H<sub>2</sub>O = 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 land fill.

### 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