

MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

Name: FLO-KLING H.D. PORCELAIN TILE & BOWL CLEANER

Identity: H.D. Porcelain & Tile Cleaner

MSDS Number: 366

Date: 11/18/2004

Supersedes: 5/19/2003

TOXICITY: 3

FIRE: 0

REACTIVITY: 0

PROTECTION: C

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
Phosphoric Acid	7664-38-2	3 STEL	1mg/m3	25

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212° F	Specific Gravity: 1.154 ± 0.005	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density (Air = 1): 1	Evaporation (H2O = 1): 1	Water Solubility: Complete	pH @ 77° F: <1.00
			VOCgm/L: 10

Appearance and Odor: Clear lightgreen liquid; Bubble gum odor.

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC):	% LEL:	% UEL:	Flammable Limits:
None	ND	ND	ND

Extinguishing Media: Dry chemical, carbon dioxide, foam

Special Fire Fighting Procedures: Wear full faced self containing breathing apparatus and impervious clothing.

Unusual Fire and Explosion: Contact with common metals produces hydrogen which may form flammable mixture with air.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? Yes EYES? Yes SKIN? Yes INGESTION? Yes

(Acute) Health Hazards:

Eyes: Corrosive. Causes eye burns. May cause permanent damage

Skin: Corrosive. Causes skin burns. It may not produce an immediate burning sensation upon skin contact, delaying the awareness of worker that contact has occurred.

Ingestion: Harmful if swallowed. May cause nausea, vomiting and a burning sensation.

Inhalation: May irritate respiratory tract

(Chronic) Health Hazards: Pre-existing site disorders may be aggravated by exposure to this product

Signs and Symptoms of Exposure:

Eyes: May cause severe irritation, possibly permanent injury. **Skin:** Causes burns which may not be immediately painful or evident.

Ingestion: Harmful if swallowed. May cause nausea, vomiting and a burning sensation.

Inhalation: Breathing mist may cause respiratory irritation

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures:

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.

Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.

Ingestion: Do not induce vomiting. If conscious, give large quantity of water. Do not give anything by mouth to an unconscious person. Obtain medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

SECTION VII. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Avoid contact with metals which may liberate flammable hydrogen gas. Avoid sulfites and sulfides.

Hazardous Decomposition Byproducts: None known

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Absorb with inert material and place in a chemical waste container. Neutralize washings with a base

Large Spills: Contain with dikes and transfer into appropriate containers for reclamation or disposal.

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

SECTION IX. CONTROL MEASURES

Respiratory Protection: NIOSH approved air purifying with vapor cartridge or canister

Ventilation: Sufficient to keep PEL from being exceeded

Local Exhaust: Recommended if generating mist or vapors

Mechanical (General): It is recommended if generating mist or vapors.

Protective Gloves: Impervious

Eye Protection: Chemical safety goggles

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

PHOSPHORIC ACID SOLUTION,8,UN1805 PGIII

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: Phosphoric Acid

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available

NE – Not Established

ND – Not Determined