



KLING ON

Safety Acid Cleaner

DESCRIPTION

Kling On is a multi-purpose, phosphoric acid-based cleaner to replace several products with one, yet cleans and brightens in a single operation.

Kling On cleans water deposits, rust and stains from toilet bowls, urinals, bathroom fixtures, ceramic tiles and grouting.

Kling On is especially designed to cling to both vertical and horizontal surfaces to provide longer contact time to clean and deodorize.

SPECIAL INFORMATION

Avoid contacting **Kling On** with eyes and skin. Store upright at temperatures above freezing and do not mix with bleach or any other cleaners.

DIRECTIONS

For Toilets:

Lower bowl level in toilet bowl, approximately 60 mL to 90 mL (2 to 3 oz.) to wet surface of toilet and bowl mop. Swab and clean surfaces, particularly under the flush ring. Flush toilet and rinse bowl mop.

For Urinal:

Hold mop over urinal and saturate. Swab urinal surfaces thoroughly, including under flush ring and around drain outlet. Replace screen and flush urinal.

PHYSICAL DATA

Appearance	Thickened liquid
Color	Blue
Foam	Moderate
Odor	Mint
pH(3.1%)	1.0 – 2.0

Sparkling results your customers can really appreciate.

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **KLING ON**

WHMIS CODE: E
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
 (phosphoric acid)
 Hazard Class: Class 8, PG III
 UN Number: UN3260 (Ltd. Qty.)

HMIS	
3	Health
0	Flammability
0	Reactivity
C	Personal

Product Use: *Safety acid cleaner.*

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 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
ALCOHOL ETHOXYLATE LD50 (oral rat) 1376 mg/kg LD50 (dermal rabbit) >2 g/kg	68439-46-3	1.0-5.0	N/A	N/A
PHOSPHORIC ACID The above item is reported per 40 CFR 372, Section 313 of Emergency Planning & Community Right-to-know Act of 1986. LD50 (oral rat) 1530 mg/kg LD50 (dermal) 2740 mg/kg (Rabbit) LC50 N/D	7664-38-2	15.0-30.0	1 ppm	1 ppm

SECTION 3 – PHYSICAL DATA

Color and Odor: Blue liquid gel, mint scent.	Boiling Point: N/D	Vapor Pressure (mm HG): N/D	pH: 1.51 @ 4.9% solution.
Physical State: Liquid gel.	Melting Point: N/A	Vapor Density: N/D	Specific Gravity: 1.11 @ 20°C
Coeff. Water/Oil Dist: Greater than 1.0	Evaporation Rate: N/D	Solubility in Water: Soluble	Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Conditions of Flammability: None.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may liberate upon prolonged contact with sensitive metals (i.e. aluminum, zinc, etc.).
Hazardous Combustion Products: Flammable hydrogen gas may be produced in contact with some metals. Oxides of phosphorus under fire conditions may be produced.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong oxidizers, alkalis, amines, Avoid contact with strong alkali or soft metals like aluminum, zinc etc.
Hazardous Decomposition Products: Flammable hydrogen gas may be produced in contact with some metals. Oxides of phosphorus under fire conditions may be produced.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation, and ingestion.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure can cause skin damage or dermatitis, respiratory disorder and or lung damage.
Effects of Acute Exposure to Product: Product exposure can cause severe burn or damage to skin and eyes. Inhalation of vapors or mists causes respiratory discomfort such as breathing difficulties, burning, coughing, etc. Ingestion may cause gastro-intestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: If product is misted or sprayed, or used in a confined area, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30oC (86oF) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: Dec. 24, 2014
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE