

MATERIAL SAFETY DATA SHEET

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: (780) 440-1911
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666

Date completed: Jan. 15, 2003

PRODUCT NAME: K-100 PORCELAIN CLEANER

CODE: J442

OTHER NAME:

DISTRIBUTED BY:

WHMIS CLASSIFICATION: E

TDG CLASSIFICATION: CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID, PHOSPHORIC ACID); Class 8; UN 1760; PG II

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Phosphoric Acid (As 100% Active)	10-30	7664-38-2	ACGIH TLV - 1 mg/m ³ LD ₅₀ Oral (rat) 1530 mg/kg
Hydrochloric Acid (As 100% Active)	1-5	7647-01-0	ACGIH TLV - 5 ppm LC ₅₀ Inhalation (rat) - 3124 ppm for one hour LD ₅₀ Oral (rabbit) 900 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid Sp. Gravity: 1.1047 pH: 0.4 1% sol. - 1.8
Boiling Point: Not Avail. Vapour Pressure: Not Avail.
Vapour Density: Not Avail. Evaporation Rate: Not Avail.
Freezing Point: Not Avail.
Solubility in Water: 100%
Appearance & Odour: Viscous, blue colored liquid.

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: () Water Fog () Foam () CO₂
() Dry Chem (X) Other: Use appropriate media to extinguish surrounding fire.
Hazardous Combustion Products: Hazardous combustion emits toxic fumes of hydrogen chloride and phosphorus oxides.
Special Firefighting Procedures: Use full protective clothing and self contained breathing apparatus.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid (X) Base
(X) Other: Contact with alkaline materials, reactive metals, high temperatures.

Hazardous Decomposition Products: At flame temperatures, will emit toxic fumes of phosphorus oxide and hydrogen chloride.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **K-100 PORCELAIN CLEANER**

**HEALTH HAZARD INFORMATION FOR PRODUCT
EMERGENCY and FIRST AID PROCEDURES**

Inhalation: Remove from exposure. If breathing is difficult or discomfort persists, get medical attention.

Ingestion: Do not induce vomiting. Give large quantities of water, milk, egg whites or milk of magnesia. Get medical attention.

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin: Wash off with water. If irritation persists, get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: May cause severe irritation to eyes, throat and upper respiratory tract.

Ingestion: May cause severe burns to mouth, throat, esophagus, and stomach, nausea, vomiting. Risk of stomach perforation, convulsions and coma.

Eyes: Severe irritation; chemical burn likely. May cause permanent damage and possible blindness.

Skin: Severe irritation, corrosive to tissue.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Dike and salvage or neutralize. Soda ash and lime are neutralizing agents.

Waste disposal method:

If material cannot be salvaged, it should be neutralized and discharged into a treatment system in accordance with all local, provincial and federal regulations.

Handling and Storage Requirements:

Store in cool, dry, well ventilated area in closed container away from heat sources, metals and oxidizers.

Ventilation Requirements (Local or General):

Use in well ventilated area.

Respiratory Protection:

In severe exposure, use self contained breathing apparatus.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Gloves and coveralls should be worn.