

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**Product Name:** CITRIC ACID BOWL CLEANER CONC.

**Product Use:** Bathroom Care

**WHMIS Class:** Class E - Corrosive Material

**T.D.G. Classification:**  
Corrosive liquids, n.o.s. (Phosphoric acid); Class 8; UN1760; PG II

**Manufacturer Name and Address:** Kemsol Products Ltd.  
PO Box 1577  
Regina, SK S4P 3C4

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

**Emergency Telephone: (306) 569-0636**

## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS No.	Wt%	ACGIH-TLV	LC <sub>50</sub>	LD <sub>50</sub>
Phosphoric acid	7664-38-2	10-30	1 mg/m <sup>3</sup> TWA	Not available	1250 mg/kg oral, mouse
Citric acid	77-92-9	10-30	10 mg/m <sup>3</sup> TWA	Not available	3000 mg/kg oral, rat
Alcohol C-10 ethoxylated	26183-52-8	1-5	Not available	Not available	

## SECTION III - PHYSICAL DATA

**Boiling Point (deg C):** 91  
**Vapour Pressure (mm Hg):** Not available  
**Vapour Density (Air = 1):** Not available  
**Solubility in Water:** Soluble  
**Physical State:** Liquid  
**Appearance; Odour:** Opaque white; no distinct odour

**Specific Gravity (H<sub>2</sub>O = 1):** 1.335  
**Percent Volatile (Wt %, 1 h @ 105 °C):** 66.4  
**Evaporation Rate (BuAc = 1):** Not available  
**pH (as supplied):** <1  
**Viscosity:** Water thin  
**Odour Threshold (ppm):** Not available

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Not flammable by WHMIS criteria.  
**Flash Point (deg C, TCC):** None      **LEL:** Not applicable      **UEL:** Not applicable  
**Hazardous Combustion Products:** May include and are not limited to oxides of carbon, oxides of phosphorus.  
**Means of Extinction:** Treat for surrounding material.  
**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

## SECTION V - REACTIVITY DATA

**Conditions for Chemical Instability:** Stable.  
**Incompatible Materials:** Strong caustics and strong oxidizers.  
**Reactivity, and Under What Conditions:** Not available.  
**Hazardous Decomposition Products:** May include and are not limited to oxides of carbon, oxides of phosphorus when heated to decomposition.

# CITRIC ACID BOWL CLEANER CONC.

## SECTION VI - TOXICOLOGICAL PROPERTIES

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion

### EFFECTS OF ACUTE EXPOSURE:

**Eye:** May cause chemical burns, severe corneal damage and permanent loss of vision.

**Skin:** May cause chemical burns.

**Inhalation of (vapours/mists):** May cause respiratory tract irritation, coughing and headache.

**Ingestion:** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

### EFFECTS OF CHRONIC EXPOSURE:

**Skin:** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

**Irritancy:** Hazardous by WHMIS criteria.

**Respiratory Tract Sensitization:** No data available

**Carcinogenicity:** Non-hazardous by WHMIS criteria.

**Teratogenicity, Mutagenicity, Reproductive Effects:** No data available.

**Synergistic Materials:** Not available.

## SECTION VII- PREVENTATIVE MEASURES

**Gloves:** Rubber. Confirm with reputable supplier first.

**Eye Protection:** Chemical splash goggles.

**Respiratory Protection:** Not normally required if good ventilation is maintained. Avoid breathing mists.

**Other Protective Equipment:** As required by employer code.

**Engineering Controls:** Ensure good ventilation.

**Leak and Spill Procedure:** Before attempting cleanup, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

**Waste Disposal:** Review federal, provincial and local government requirements prior to disposal.

**Storage and Handling Requirements:** Store in closed container away from incompatible materials. Keep out of the reach of children.

## SECTION VIII - FIRST AID

**Eye:** Immediately flush with water. Remove contact lenses, if applicable, and continue rinsing for 15 minutes. Obtain medical attention immediately.

**Skin:** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Obtain medical attention if irritation persists. Discard or wash well before reuse.

**Inhalation:** Move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

## SECTION IX - PREPARATION INFORMATION

**Date:** 06/01/09

**MSDS Prepared By:** Kemsol Products Ltd.

**Phone Number:** (306) 569-0636

### Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).