

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: HEAVY DUTY BOWL CLEANER

Product Use: Toilet bowl cleaner

WHMIS Class: Class E - Corrosive Material

TDG Classification: HYDROCHLORIC ACID, SOLUTION;
Class 8; UN1789; PG II

Manufacturer/Supplier: Kemsol Products Ltd.

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Regina, SK S4P 3C4

Telephone: (306) 569-0636

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Alcohols, C9-11, ethoxylated	68439-46-3	0.5 - 1.5	Not available	Not available	1200 mg/kg oral, rat
Hydrogen chloride	7647-01-0	10 - 30	5 ppm Ceiling	935 ppm 4 h, mouse	900 mg/kg oral, rabbit

SECTION III - PHYSICAL DATA

Boiling Point (°C): Not available

Vapour Pressure (mm Hg): Not available

Vapour Density (Air = 1): Not available

Solubility in Water: Complete

Physical State: Liquid

Appearance; Odour: Clear colourless; chlorine

Specific Gravity (H₂O = 1): 1.13

% Volatile (Wt %): 95

Evaporation Rate (Ether = 1): Not available

pH (100%): 0.5

Viscosity: Slightly viscous

Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.

Flash Point (°C, TCC): None

LEL: Not applicable

UEL: Not applicable

Hazardous Combustion Products: May include and are not limited to oxides of carbon, hydrogen chloride, chlorine.

Autoignition Temperature (°C): Not applicable

Means of Extinction: Dry chemical, alcohol foam, carbon dioxide, water mist or fog.

Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.

Incompatible Materials: Acids, oxidizers, aluminum, caustics, reducers, soft metals.

Reactivity, and Under What Conditions: Do not mix with anything but water. Reacts with soft metals producing flammable hydrogen gas. Reacts vigorously with alkaline material or metals.

Hazardous Decomposition Products: May include and are not limited to oxides of carbon, hydrogen chloride, chlorine when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause chemical burns. May cause blindness.

Skin: May cause chemical burns.

Inhalation: Harmful. May cause respiratory tract irritation or chemical burns.

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

EFFECTS OF CHRONIC EXPOSURE:

Skin: May cause chemical burns.

Irritancy: Corrosive 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 gloves. Confirm with a reputable supplier first.

Eye Protection: Chemical splash goggles.

Respiratory Protection: Not normally required if good ventilation is maintained.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, 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: Keep out of reach of children. Store in a closed container away from incompatible materials.

SECTION VIII - FIRST AID

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

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

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

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Date: 06/01/09
Telephone: (306) 569-0636

MSDS Prepared by: Kemsol Products Ltd.

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 (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).