

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: CONCRETE REMOVER

Product Use: Concrete remover

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>
Hydrogen chloride	7647-01-0	60-100	5 ppm Ceiling	2142 ppm mouse	900 mg/kg oral, rabbit

SECTION III - PHYSICAL DATA

Boiling Point (°C): 108	Specific Gravity (H₂O = 1): 1.08
Vapour Density (Air = 1): Heavier	% Volatile (Wt %): 95
Solubility in Water: Soluble	Evaporation Rate (Water = 1): Similar
Physical State: Liquid	pH (100%): 0.5
Appearance; Odour: Clear; pungent	Viscosity: Water thin

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not applicable

Flash Point (°C, TCC): None **LEL:** Not applicable **UEL:** Not applicable

Hazardous Combustion Products: Not applicable

Autoignition Temperature (°C): Not applicable

Means of Extinction: Not applicable

Special Fire Hazards: Fire fighters should wear self-contained breathing apparatus. Dangerous gases produced in fire.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Not applicable

Incompatible Materials: Strong caustics, metals and halogen compounds.

Hazardous Decomposition Products: Hydrogen and chlorine gas.

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SECTION VI - TOXICOLOGICAL PROPERTIES
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Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause chemical burns, severe corneal damage and permanent blindness.
Skin: May cause chemical burns, redness, pain and blistering.
Inhalation: Can cause nose, throat and 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 can cause drying, defatting and dermatitis.
Irritancy: Hazardous by WHMIS criteria.
Respiratory Tract Sensitization: Non-hazardous by WHMIS criteria.
Carcinogenicity: Non-hazardous by WHMIS criteria.
Teratogenicity, Mutagenicity, Reproductive Effects: No data available.
Synergistic Materials: Not available.

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SECTION VII- PREVENTATIVE MEASURES
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Gloves: PVC, neoprene, natural rubber gloves. Confirm with a reputable supplier first.
Eye Protection: Chemical goggles & face shield.
Respiratory Protection: Wear exposure guideline levels may be exceeded, use an approved air-purifying respirator.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation for small amounts and room temp use. Local exhaust for large scale or elevated temperature use.
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, and use corrosion resistant structural materials for containment.

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SECTION VIII - FIRST AID
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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.

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SECTION IX - PREPARATION INFORMATION
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Date: 06/01/09 **MSDS Prepared by:** Kemsol Products Ltd.
Telephone: (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 (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).

