

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Chemsol Mint

EFFECTIVE DATE: January 5, 2009

WHMIS CLASS: Bathroom Care; Class E - Corrosive Material

T.D.G. CLASSIFICATION: Hydrochloric Acid Solution

UN: 1789

CLASS: 8 (9.2)

PG: II

CHEMICAL FAMILY:

MATERIAL USE: Mint toilet and urinal cleaner.

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	ACGTH-TLV	LC50	LD50
Hydrogen Chloride	7647-01-0	10-30%	5 ppm C	747 ppm, 4hr, mouse	700 mg/kg oral, rat

PHYSICAL DATA

BOILING POINT(°C): 105°C

VAPOUR PRESSURE (mm Hg): Not available

VAPOUR DENSITY (Air=1): Vapor density

SOLUBILITY IN WATER: Soluble

PHYSICAL STATE: Liquid

pH (as supplied): <1.0

APPEARANCE AND ODOUR: Opaque white with pungent odor.

COEF. OF WATER/OIL DIST.:

SPECIFIC GRAVITY (H₂O=1): 1.100

PERCENT VOLATILE (by Wt%.): 99

EVAPORATION RATE (BuAc=1): Similar

ODOUR THRESHOLD:

FREEZING POINT(°C):

VISCOSITY: Water thin

FIRE AND EXPLOSION DATA

FLAMMABILITY: No

UEL: N/AV

HAZARDOUS COMBUSTION PRODUCTS: Chlorine gas

MEANS OF EXTINCTION: Treat for surrounding material.

SPECIAL FIRE HAZARDS: Dangerous gases produced in fire.

FIRE AND EXPLOSION HAZARDS:

AUTOIGNITION TEMP.:

SENSITIVITY TO: MECHANICAL IMPACT:

FLASH POINT (° C method): N/AP

LEL: N/AV

STATIC DISCHARGE:

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable

INCOMPATIBILITY: Metals and halogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen and chlorine gas

REACTIVITY: N/AV

FIRST AID

EYE: Immediately flush with water for 15 minutes. Call a doctor immediately.

SKIN: Immediately flush with water for 15 minutes. Call a doctor immediately.

INHALATION: Remove to fresh air. If symptoms persist, call a doctor.

INGESTION: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact doctor immediately.

Never give anything by mouth if unconscious, is rapidly losing consciousness or is convulsing.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact can cause burns, severe corneal damage and permanent loss of vision.

SKIN: Contact can cause redness, burns, pain and blistering.

INHALATION: Can cause nose, throat and respiratory tract irritation, coughing and headache.

INGESTION: May cause vomiting headache and medical problems.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

INHALATION: Danger of serious damage to health and organs from prolonged/repeated exposure.

IRRITANCY: Hazardous by WHMIS criteria

RESPIRATORY TRACT SENSITIZATION: No data available

CARCINOGENICITY: Non hazardous by WHMIS criteria.

REPRODUCTIVE TOXIN:

TERATOGENICITY: Insufficient data available.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: N/AV

EXPOSURE LIMITS:

PREVENTATIVE MEASURES

GLOVES: PVC, neoprene, natural rubber. Confirm with reputable supplier first.

EYE PROTECTION: Chemical goggles and face shield.

RESPIRATORY PROTECTION: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. In emergency or where exposure guidelines may be exceeded use approved positive pressure self-contained breathing device.

OTHER PROTECTIVE EQUIPMENT: As required by employer code.

ENGINEERING CONTROLS: General ventilation for small amounts and room temperature 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 place in suitable, covered labeled containers.

WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.

STORAGE REQUIREMENTS: Store in closed container. Store away from incompatible materials. Use corrosion resistant structural materials for containment.

HANDLING PROCEDURES:

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN · >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE

REACTIVITY

HEALTH

PERSONAL PROTECTION

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

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 the control of the supplier, it is assumed that the user of this material has 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 damage that may result from the use or reliance on any information contained in this form.

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