

CHEM INTERNATIONAL**MATERIAL SAFETY DATA SHEET****EMERGENCY #: CANUTEC (613) 996-6666****PRODUCT IDENTIFICATION AND PREPARATION INFORMATION**

PRODUCT NAME: C.I. Chemox **EFFECTIVE DATE:** January 5, 2009
WHMIS CLASS: Class E: Corrosive Liquid Class D: Div.2: Subdiv.B: Severe Eye Irritant
T.D.G. CLASSIFICATION: Hydrochloric Acid Solution:
UN: 1760 **CLASS:** 8 **PG:** III **CHEMICAL FAMILY:**
MATERIAL USE: Swimming Pool Cleaning Compound

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	SPECIES & ROUTE	LC50 or LD50
Hydrochloric Acid	7647010	6-10%	(irl-rat)	1661 ppm

PHYSICAL DATA

BOILING POINT(°C): 102	COEF. OF WATER/OIL DIST.:
VAPOUR PRESSURE (mm Hg): 16 @ 20°C	SPECIFIC GRAVITY (H₂O=1): 1.042 g/ml @ 20°C
VAPOUR DENSITY (Air=1): >1	PERCENT VOLATILE (by vol.):
SOLUBILITY IN WATER:	EVAPORATION RATE (H₂O=1): Approx. 1
PHYSICAL STATE: Liquid	ODOUR THRESHOLD: N/A
pH (as supplied): 1.0 @ 20°C	FREEZING POINT(°C): 0
APPEARANCE AND ODOUR: Green liquid with a cherry scent.	

FIRE AND EXPLOSION DATA

FLAMMABILITY: Nonflammable, noncombustible
FLASH POINT (Deg C method): None
UEL: N/A
LEL: N/A
HAZARDOUS COMBUSTION PRODUCTS: None
MEANS OF EXTINCTION: N/A
SPECIAL FIRE HAZARDS:
AUTO IGNITION TEMP.: None
EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: None **STATIC DISCHARGE:** None

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: None
INCOMPATIBILITY: Strong alkalis. Soft metals.
HAZARDOUS DECOMPOSITION PRODUCTS: None
REACTIVITY: Prolonged contact with soft metals, such as aluminum or zinc, may cause release of hydrogen gas (a fire and explosion hazard.)

FIRST AID

EYE: Immediately flush with running water, occasionally lifting upper and lower lids. See doctor for treatment.
SKIN: Flush thoroughly with water.
INHALATION:
INGESTION: DO NOT induce vomiting. Rinse mouth and throat well, then give milk of magnesia and 2-3 glasses of water. See a doctor. Never give anything by mouth to an unconscious person.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: N/A (corrosive)

EFFECTS OF ACUTE EXPOSURE:

EYE: Irritating effect.

SKIN: Frequent or prolonged contact may cause irritation.

INHALATION: Inhalation of mist has a narcotizing effect and can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Moderate to severe with prolonged exposure.

IRRITANCY: Eyes and mucous membranes: Severe.

RESPIRATORY TRACT SENSITIZATION: Contains no known allergens.

CARCINOGENICITY: Contains no known or experimental carcinogens.

REPRODUCTIVE TOXIN: Contains no known or experimental repro. toxins.

TERATOGENICITY: Contains no known or experimental teratogens.

MUTAGENICITY: Contains no known or experimental mutagens.

SYNERGISTIC MATERIALS: None known.

EXPOSURE LIMITS: None established.

PREVENTATIVE MEASURES

GLOVES: Rubber or polyethylene recommended.

EYE PROTECTION: Chemical splash goggles for spray applications or where any splashing is likely.

RESPIRATORY PROTECTION:

OTHER PROTECTIVE EQUIPMENT:

ENGINEERING CONTROLS: None.

LEAK AND SPILL PROCEDURE: Dilute with water and mop up.

WASTE DISPOSAL: Flush to sewer. Large spills must be first neutralized with **dilute** alkali. Ensure adequate ventilation if using carbonates.

STORAGE REQUIREMENTS: Storage in aluminum containers is not recommended.

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 WHIMIS. 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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