

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION




PRODUCT NAME: CHLOROGUARD 12 (L1125) EMERGENCY TEL: CANUTEC
(613) 996-6666

PRODUCT USE: Chlorine Bleach

MANUFACTURERS NAME: CHEMISPHERE SOLUTIONS.

ADDRESS: 15 CALDER PLACE, ST. ALBERT, AB T8N 5A6

SUPPLIER: Same as above.

WHMIS CLASSIFICATION:  E Corrosive  C Oxidizer  D Toxic F Reactive

TDG CLASSIFICATION: HYPOCHLORITE SOLUTION CLASS 8 UN 1791 PG III

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXICITY DATA: LD50, LC50
Sodium Hypochlorite	10-30	7681-52-9	LD50 (Oral, Rat) 5 g/kg LD50 (Dermal, Rat) 3 g/kg

SECTION III PHYSICAL DATA

PHYSICAL STATE:	Liquid	VAPOUR PRESSURE: (mmHg)	17.5 mm Hg at 20 Deg. C
COLOUR:	Pale Yellow	VAPOUR DENSITY: (AIR=1)	n.av.
ODOUR:	Chlorine smell	EVAPORATION RATE:	n.av.
BOILING POINT:	n.av.	SPECIFIC GRAVITY:	1.17
FREEZING POINT:	-25 Deg. C.	pH:	10.8-11.2
SOLUBILITY:	100%	ODOUR THRESHOLD:	n.av.
		COEFFICIENT OF WATER/OIL:	More soluble in water

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD) n.ap.

FLAMMABILITY LIMITS IN AIR, % BY VOLUME Non-flammable **LOWER:** n.ap. **UPPER:** n.ap.

AUTO-IGNITION TEMP.: n.ap.

MEANS OF EXTINCTION: As per surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Hydrogen Chloride fumes.

SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective gear.

EXPLOSION DATA – SENSITIVITY TO MECHANICAL IMPACT: n.ap.

EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE: n.ap.

MATERIAL SAFETY DATA SHEET**SECTION V REACTIVITY DATA**

CHEMICAL STABILITY: Decreases with heat, light exposure, decrease in pH and contamination with heavy metals.

CHEMICAL INCOMPATIBILITY (MATERIAL & CONDITIONS): Acid, Ammonia, Metals

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen, chlorine

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY - SKIN CONTACT: X **EYE CONTACT:** X

INGESTION: X **INHALATION:** X

EFFECTS OF EXPOSURE – ACUTE AND CHRONIC:

Skin – May cause irritation.

Eyes – Keep away from eyes. May cause severe irritation.

Ingestion – Do not take internally. Ingestion may cause corrosion of mucous membranes, esophageal or gastric perforation, laryngeal edema. May cause nausea, vomiting, diarrhea and shock.

Inhalation – May cause severe bronchial irritation, pulmonary edema.

EXPOSURE LIMITS:

Sodium Hypochlorite – CEILING OEL – 3 ppm

SENSITIZATION TO PRODUCT: Repeated exposure may cause general deterioration of health due to accumulation in the body.

CARCINOGENICITY: n.av.

REPRODUCTIVE TOXICITY: n.av.

TERATOGENICITY: n.av.

MUTAGENICITY: n.av.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS None known.

SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES: Rubber or neoprene gloves.

EYES: Safety glasses with side shield.

FOOTWEAR: Rubber boots

RESPIRATOR: Mask

CLOTHING: Apron

SECTION VIII PREVENTATIVE MEASURES

STORAGE REQUIREMENTS: Keep container closed in a cool, dry place.

SHIPPING INFORMATION: Do not expose to extreme temperatures.

LEAK AND SPILLAGE PROCEDURES: May be neutralized with sodium sulphite, sodium disulphite or diluted hydrogen peroxide.

HANDLING PROCEDURES: Container should be kept closed when not in use.

WASTE DISPOSAL: Flush with water for small spills. Dispose according to environmental regulations.

SPECIAL ENGINEERING CONTROLS: Eyewash, safety shower, safety clothing and a well ventilated area for use.

MATERIAL SAFETY DATA SHEET**SECTION IX FIRST AID MEASURES**

EYES:	Flush thoroughly with water for 15 minutes. Get medical attention.
SKIN:	Flush with plenty of water. For severe exposure, get medical attention.
INGESTION:	Drink large quantities of milk or water. Take sodium bicarbonate as an antidote. Do not induce vomiting. Get medical attention.
INHALATION:	Get fresh air. Keep victim warm and at rest.

SECTION X PREPARATION INFORMATION

PREPARED BY: TECHNICAL DEPARTMENT

TELEPHONE: (780) 460-4670

DATE: MAY 2018

IMPORTANT: The information presented herein is believed to be accurate and is offered only as a guide. Users should make their own tests to determine the suitability of these products for their own particular purposes. Users assume all risk of use, storage and handling of the product. No warranty, express or implied, is made including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe any patents.

n.av – Not Available

n.ap – Not Applicable