



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: CHLORINE 1200
Product Code: 101-4110

WHMIS Class: C, E

Supplier Name & Address:

Frank's Maintenance Products Inc
1299 Strasburg Road
Kitchener, Ontario N2R 1H2
Tel: (519) 748-4433 Toll Free: 1-800-265-6535

Product Use: Disinfection, odour control, laundry, water treatment, and industrial waste treatment. Oxidation.

CANUTEC: (613) 996-6666

SECTION II – HAZARDOUS INGREDIENTS

Ingredients:	CAS#:	WT%:	ACGIH-TLV:	LC50:	LD50:
Sodium Hypochlorite	7681-52-9	7-13	Not Available	Not Available	Not Available

SECTION III – PHYSICAL DATA

Boiling Point (°C): 105	Specific Gravity (H₂O=1): 1.168	Vapour Pressure (mmHg): 22@20(°C)
Freezing Point (°C): -15	Vapour Density (Air=1): Not Available	Evaporation Rate (BuAc=1): Not Available
Percent Volatile (Wt%): 80	pH (100%): 12.8 Min.	Physical State: Liquid
Solubility in Water: Soluble	Odour: Typical chlorine bleach	Appearance: Clear lime-yellow solution
Viscosity @20°C: Water Thin		

SECTION IV – FIRE AND EXPLOSION DATA

Flammability: Not flammable	Flash Point deg. (C,TCC): None	LEL: None	UEL: None
Hazardous Combustion Products: None	Means of Extinction: If involved in fire, use water, carbon dioxide or other Class B extinguishers		
Special Fire Hazards: None			

SECTION V – REACTIVITY DATA

Conditions for Chemical Instability: YES X NO _____

Incompatible Materials: Metals, reducing and oxidizing agents, solvents, acids, nitrogen compounds and most organic substances.

If YES, under which conditions: High temperatures

Hazardous Decomposition Products: None

SECTION VI – TOXICOLOGICAL PROPERTIES

Route of Entry: X Eyes X Skin Contact ___ Skin Absorption X Inhalation X Ingestion

Effects of Acute Exposure: Will cause moderate irritation to skin and severe irritation and pain to eyes. Fumes may irritate mucous membranes and cause coughing or pulmonary edema. If ingested, product will cause membrane irritation and pain and inflammation to digestive tract. Could cause vomiting and shock.

Effects of Chronic Exposure: Same as Acute Exposure.

Irritancy: Moderate to severe.

Carcinogenicity: Not by IARC conclusions.

Teratogenicity, Mutagenicity, Reproductive Effects: Not Established.

Synertistic Materials: None

Respiratory Tract Sensitization: May irritate mucous membranes if exposure is prolonged.

Product Name: CHLORINE 1200

SECTION VII – PREVENTATIVE MEASURES

Personal Protective Equipment:	Wear PVC or rubber gloves and eye goggles or shield. Also wear regular foot wear, but rubber boots when handling spills. When handling product, it is preferred that you wear a plastic jacket or apron. Have safety shower and eye wash fountain available close by.
Engineering Controls:	General ventilation is adequate. Ventilate storage tank outside.
Leak and Spill Procedure:	Leaking product may be transferred to clean plastic containers. Dilute small spills with water and add sodium sulfite or sodium metabisulfite and flush to sewer. For large spills contact the supplier and the 24-Hour CANUTEC Number: (613)996-6666.
Waste Disposal:	In accordance with Federal, Provincial and local government requirements.
Storage Requirements:	Use polyethylene, polypropylene, FRP or PVC containers. Store product at –10 to 30°C and away from sunlight or heat.
Special Shipping Information:	Material is TDG regulated, UN #1791, Class 8, Packing Group III. Do not drop containers.

SECTION VIII – FIRST AID

Eye:	Immediately flush with water for 15 minutes. Call a physician.
Skin:	Immediately flush with water. Call a physician if irritation develops.
Inhalation:	If inhaled, remove to fresh air. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Call a physician immediately. Never give anything by mouth if victim is unconscious or rapidly losing consciousness or is convulsing.

SECTION IV – OTHER INFORMATION

Prepared by:	Technical Department
Telephone No.:	519-748-4433
Preparation date:	22-Jan-2014
Expiry date:	22-Feb-2017

Disclaimer: Information contained herein 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 requirements of all applicable legislation and regulatory instruments. 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 document.