



SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

Product Name: Sodium Hypochlorite Solution

Trade Name: CLOR-5

WHMIS CLASS: C, E

Product Use: Sanitation, laundry and water treatment

Supplier Name & Address:

Glen Chemicals Limited

18-1149 Bellamy Road North

Scarborough ON M1H 1H7

416 439-5884

Prepared by: Glen Chemicals Limited

Preparation Date: March 1, 2014

24-Hour Emergency Number
(CANUTEC): 613 996-6666

SECTION 2 - COMPOSITION/INFORMATION INGREDIENTS:

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>LC50</u>	<u>LD50</u>
Sodium Hypochlorite	7681-52-9	3-7	Not available	Not Available

SECTION 3 - HAZARDS IDENTIFICATION:

Route of Entry: Eye, Skin, Inhalation, Ingestion

Irritancy: Moderate to severe. Will cause irritation and pain to skin and eyes

(See Section 11 for Toxicological Information)

SECTION 4 - FIRST AID:

Eyes: Immediately flush with running water, holding eyelid open for a minimum of 15 minutes. Call a physician if irritation persists.

Skin: Immediately flush with running water for a minimum of 15 minutes. Call a physician if irritation develops.

Inhalation: If inhaled, remove victim to fresh air. If symptoms persist, call a physician.

Ingestion: Do not induce vomiting. Rinse mouth with water, and 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 5 - FIRE FIGHTING MEASURES:

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

Special Fire Hazards: Use water to cool containers exposed to fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Leak and Spill Procedure: Leaking product may be transferred to clean plastic containers. Dilute small spills with water and add sodium sulfite or sodium metabisulphite. For large spills contact the supplier. Vapours may be suppressed by use of a water fog; run-off must be captured for treatment and disposal.

SECTION 7 - HANDLING & STORAGE:

Storage Requirements: Use polyethylene, polypropylene, FRP or PVC containers. Store product at -3 to 30°C and away from sunlight or high temperatures. Keep from freezing.

SECTION 8 - EXPOSURE CONTROLS:

Personal Protective Equipment: Wear chemical gloves, chemical goggles/face shield and rubber boots. When handling product, it is preferred that you wear a chemical resistant jacket. Have safety shower and eye wash fountain available close by work station.

Engineering Controls: General ventilation is adequate. Ventilate storage tank outside.

SECTION 9 - PHYSICAL PROPERTIES:

Boiling Point (°C): 101

Vapour Pressure (mm Hg): 22@20(°C)

Vapour Density (Air =1): Not Available

Percent Volatile (Wt%): 91

Physical State: Liquid

Odour: Typical chlorine bleach

Appearance: Greenish-yellow solution

Specific Gravity (H2O=1): 1.076

Freezing Point(°C): -4°C

Evaporation Rate (BuAc=1): Not Available

pH: 12.5 Min.

Solubility in Water: Soluble

Viscosity @ 20°C: Water thin

SECTION 10 - STABILITY & REACTIVITY:

Conditions for Chemical Instability: High temperature, sunlight.

Hazardous Decomposition Products: None

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

SECTION 11 - TOXICOLOGICAL INFORMATION:

Route of Entry: Eye, Skin, Inhalation, 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.

Irritancy: Moderate to severe

Carcinogenicity: Not by IARC conclusions. **Synergistic Materials:** None

Teratogenicity, Mutagenicity, Reproductive Effects: Not Established

SECTION 12 - ECOLOGICAL CONSIDERATIONS:

Harmful to aquatic life. Aquatic toxicity: approximately 0.6 mg/l (bluegill); approximately 1 mg/l (daphnia, 48 hours).

SECTION 13- DISPOSAL CONSIDERATIONS:

Waste Disposal: In accordance with Federal, Provincial or local government requirements.

SECTION 14 - TRANSPORT INFORMATION:

Not Regulated

SECTION 15 - REGULATORY INFORMATION:

- WHMIS Classification: Class C, Class E.
- On the DSL.

SECTION 16 - OTHER INFORMATION:

Disclaimer:

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