CHANDLER (ENVIRO)
225, Thorne Ave
St John's NB E2L4L9

Material Safety Data Sheet

Section I. Product Identification and Uses

HMIS (HFRP)	
Health Hazard	2
Fire Hazard	0
Reactivity	1
Personal Protection	b

Common / Trade name	LT DETERGENT LOW TEMP DISH DET	**TDG**	Class 8
WHMIS	D2A, E	**PIN**	UN1824 SODIUM HYDROXIDE SOLUTION
Code	0360	**PG**	II
Material uses	Industrial applications: Machine dish detergent.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Trisodium nitrilotriacetate monohydrate	18662-53-8	10-30	Not available.	ORAL (LD50): Acute: 1470 mg/kg [Rat].
Sodium hydroxide	1310-73-2	7-13	ACGIH TLV (Canada). CEIL: 2 mg/m^H3^n	ORAL (LD50): Acute: 500 mg/kg [Rabbit].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

Skin contact Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.

Inhalation Allow to rest in a well ventilated area. Seek immediate medical attention.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

Section IV. Physical Data

Physical state and apperance	Liquid. (Clear.)	**Colour**	Colorless.
pH (1% soln/water)	11.5 to12.5 (Conc. (% w/w): 1) [Basic.]	**Odour**	Odorless.
pH (concentrate)	13 - 14	**Volatility**	Not available.
Boiling point	The lowest known value is 100°C (212°F) (Water).	**Vapour density**	The highest known value is 1 (Air = 1) (Water).
Specific gravity	1.1 to 1.3 (Water = 1)	**Vapour pressure**	The highest known value is 2.3 kPa (at 20°C) (Water).
Solubility	Easily soluble in cold water and hot water.		

Section V. Fire and Explosion Data

The product is	Non-flammable.
Auto-ignition temperature	Not applicable.
Flash points	Not applicable.
Degradation products	Carbon oxides (CO, CO2) nitrogen oxides (NO, NO2...)
Extinguising media	Use DRY chemicals, CO2, water spray or foam.

Section VI. Reactivity data

Stability The product is stable.

Decomp. products See fire degradation products.

Reactivity Reactive with oxidizing materials, reducing materials, acids, moisture and soft metals.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Skin contact.

Toxicity for animals See section II

Acute effects Dangerous in case of skin contact (corrosive), of ingestion, of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.

Chronic effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye, skin and gastro-respiratory tract irritation.

Section VIII. Preventive measure

Waste disposal	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Store in a dry, cool and well ventilated area.
Precautions	Keep locked up. Keep container dry. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with eyes and skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep out of reach of children.
Spill and leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.

Section IX. Personal protective equipment

Gloves	Gloves.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Eyes	Safety glasses.
Other	Full suit, apron, face shield, boots: are recommanded under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
Eng. controls	Provide exhaust ventilation or other engeneering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on 19 Apr. 2016

EMERGENCY: CANUTEC 613-996-6666

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsability of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex A. Legend

HMIS	Hazardous Materials Identification System
WHMIS	WHMIS Workplace Hazardous Materials Information System
TDG	Transport Dangerous Goods
PIN	Product Identification Number
PG	Packaging Group
