

TABEX[®]**Material Safety Data Sheet****Section I - Identification****LITHIUM SHOCK****MANUFACTURER / SUPPLIER:**

CL MARKETING INC.

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Chemical Name: Lithium hypochlorite.**Product Use:** Sanitizer to control bacteria and algae in swimming pool water.

<u>Hazard Rating</u>	<u>Designation</u>	
4 Extreme	Health	3
3 High	Fire	0
2 Moderate	Reactivity	1
1 Slight	Personal Protection	C
0 None		

Section II - Hazardous Ingredients

<u>Material</u>	<u>% By Weight</u>	<u>CAS Nr</u>	<u>Exposure Limits</u>	<u>LD₅₀ (Oral-Rat)</u>
Lithium hypochlorite	30% - 40%	13840-33-0	N/A	N/A

Section III - Physical Data

Appearance	Solid, white granules
Boiling Point	> 1600 ^o C
Freezing Point	N/A
Odor	Chlorine odor
pH (1%)	11
Specific Gravity (Water = 1)	0.9 – 1.0 g/cm ³
Vapor Density (Air = 1)	1.13 – 1.16
Vapor Pressure (mm Hg)	N/A
Evaporation Rate	N/A
Water Solubility	Moderately Soluble
% Volatile	N/A
Coefficient water/oil distribution	N/A
Odor Threshold	N/A

Section IV - Fire And Explosion Data

Flash Point (°C , Test Method):	Non flammable
Auto-Ignition Temperature:	None
Flammable Limits In Air: (g/l):	LFL : None UFL : None
Extinguishing Media:	Water
Special Fire Fighting Procedure:	Fight fires from a safe distance. Use water spray to cool containers exposed to fire.
Personal Protective Equipment:	Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.
Conditions of flammability:	N/A
Hazardous combustion products:	Chlorine, Oxygen
Explosion Data:	N/A
Sensitivity Impact:	N/A
Sensitivity to static discharge:	N/A
Mechanical Impact:	N/A

Section V - Health Hazard Information Of Product**Routes of Exposure and Acute Effects.**

Inhalation:	Causes irritation to nose and throat.
Skin Contact:	May cause burns.
Skin Absorption:	N/A
Eye Contact:	May cause sting or burning.
Ingestion:	Poison. See a physician immediately.

Chronic Exposure.

Irritancy of product:	Irritating
Sensitizing Capacity:	N/A
Mutagenic effect:	N/A
Teratogenic effect:	N/A
Carcinogenic effect:	N/A
Reproductive toxicity:	N/A
Synergistic products:	N/A

Emergency and First Aid Procedure.

Eyes:	In case of contact, immediately flush eyes of plenty of water for at least 15 minutes. Call a physician immediately.
Skin:	In case of contact, remove contaminated clothing and flush skin thoroughly with soap and water. Wash clothing before reusing.
Inhalation:	If inhaled, remove victim to an area of fresh air. If irritation persists call a physician.
Ingestion:	If swallowed, call a physician immediately.

Section VI - Reactivity Data

Conditions Contributing to Instability:	This product is stable under normal conditions.
Incompatibility:	Especially avoid contact with acids, combustible products (oil, paper, wood).
Decomposition Products:	Chlorine and oxygen.
Reactivity:	In contact with acids.

Section VII - Spill Or Leak Procedures**Steps To Be Taken If Material Is Released Or Spilled**

Sweep up waste or residue while avoiding dust formation.
Reclaim the spilled product in an appropriate closed container for use or disposal.
Large spills can require an aspiration procedure.
Clean up residual material by washing area with water.

Waste Disposal Method.

Dispose according to Local, Provincial and Federal by-laws.

Section VIII - Special Protection Information.**Ventilation requirements**

Local ventilation.

Specific Personal Protective Information.

Skin Protection: Chemical resistant rubber gloves.
Eye Protection: Chemical splash goggles.
Respiratory protection: Use respirator for dust and chlorine, should concentrations warrant.
Other: Eye wash station and safety shower in area.
Do not wear contact lens when working with this compound.

Section IX - Special Precaution.**Precaution To Be Taken In Handling.**

Avoid inhalation of dust.
Avoid eye or skin contact. Do not take internally. Wash clothing before reuse.
Practice good personal hygiene.

Proper Storage, Handling and Disposal Requirements.

Store in tightly closed containers in a cool, dry, well-ventilated area.
Keep away from incompatible materials (acids).
NO SMOKING in areas of storage, handling or use.

Section X - Transport And Regulatory Information.

TDG DESIGNATION:	Lithium hypochlorite, dry.
UN NUMBER:	1471
TDG CLASSIFICATION:	5.1
WHMIS CLASSIFICATION:	C, E
PACKING GROUP	II

Material Safety Data Sheet:

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