

CHLOR LIQUID

Product name	:	CHLOR LIQUID			
Product code	:	30-07015 Oth	er means of identification	:	Not available.
Supplier	:	Sani-Marc Inc. 42 rue de l'Artisan Victoriaville, Qc G6P 7E3 1-819-758-1541	Manufacturer		Sani-Marc Inc. 42 rue de l'Artisan Victoriaville, Qc G6P 7E3 1-819-758-1541
Identified uses	:	Consumer products: Pool & Spa water treatment product This product is packaged, labelled and supplied as a consumer good.	Uses advised against		Only use this product as directed. Read label before using.

Information in this	s se	ction only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.		
Product Classification	:	SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3		
Signal word	:	Danger Hazard pictograms :		
Hazard statements	:	Causes severe skin burns and eye damage. May cause respiratory irritation.		
Precautionary stateme	<u>nts</u>			
General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.		
Prevention	:	Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Avoid breathing vapor.		
Response	:	IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.		
Storage	:	Store locked up. Store in a well-ventilated place. Keep container tightly closed.		
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.		
Supplemental label ele	me	nts : No additional information.		
Other hazards which do classification	o n	ot result in : None known.		



3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Name sodium hypochlorite, solution

<u>CAS number</u> 7681-52-9

<u>% (w/w)</u> 10 - 30

Occupational exposure limits, if available, are listed in Section 8.

	4. FIRST AID MEASURES					
Description of requ	uired first aid measures					
Eye contact	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists.					
Skin contact	Rinse with water. Remove contaminated clothing and wash it before reuse. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists.					
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Get medical attention if symptoms occur.					
Inhalation	Move victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention. If necessary, call a poison center or physician. Maintain an open airway.					
Most important syn	nptoms/effects, acute and delayed					
Eye contact	Adverse symptoms may include the following: pain watering redness					
Skin contact	Adverse symptoms may include the following: pain or irritation redness blistering may occur					
Ingestion	Adverse symptoms may include the following: stomach pains					
Inhalation	Adverse symptoms may include the following: respiratory tract irritation coughing					
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.					
See toxicological ir	See toxicological information (Section 11)					

5. FIRE-FIGHTING MEASURES					
Extinguishing media					
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.				
Unsuitable extinguishing media	None known.				
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.				
Hazardous thermal decomposition products	n Decomposition products may include the following materials: halogenated compounds metal oxide/oxides				
Special fire-fighting procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.				
Special protective equipment for fighters	fire- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.				



6. ACCIDENTAL RELEASE MEASURES Personal precautions No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required. Personal protection Put on appropriate personal protective equipment (see Section 8). Cleaning method Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

HandlingEating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash
hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
See Section 8 for additional information on hygiene measures.Storage and
IncompatibilityStore in accordance with local regulations. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers
that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use

8 EXPOSURE CONTROL S/PERSONAL PROTECTION

(see Section 10).

appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials

	0. EXI C	SORE CONTROLS/PERSONAL PROTECTION	
Occupational exposure limits			
Ingredient name		Exposure limits	
sodium hypochlorite solution Cl active		AIHA WEEL (United States, 7/2018). STEL: 2 mg/m³ 15 minutes.	
		uate ventilation. If user operations generate dust, fumes, gas, vapor or or other engineering controls to keep worker exposure to airborne conta	
Individual protection measures			
Eye/face protection	ection Continued or severe exposures might required to wear a face shield or chemical splash goggles. It is minimally sugges wear safety glasses while using or handling this product.		ggles. It is minimally suggested to
wear chemical-res		rive equipment required under normal use conditions. Prolonged or sev istant gloves. ive clothing is required.	ere exposures might require to
Respiratory protection	No specific protect	ive equipment required under normal use conditions.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.	рН	12.5	Flash point	Not available.
Color	Yellowish.	Relative density	1.17	Melting point	Not available.
Odor	Chlorine	Viscosity	Not available.	Boiling point	Not available.
Odor threshold	Not available.	Vapor pressure	Not available.	Fire point :	Not available.
Solubility in water :	Not available.	Vapor density :	Not available.	Evaporation rate :	Not available.
Decomposition temper	ature : Not available	2.	Auto-ignition temperature	e : Not available.	
Partition coefficient: n water	-octanol/ : Not available	2.	Flammability (solid, gas)	: Not available.	
Lower and upper explosi	ve (flammable) limits	: Not available.			



10. STABILITY AND REACTIVITY

Reactivity No specific		test data related to reactivity available for this product or its ingredients.		
Chemical stability The produ		ct is stable.		
Incompatible materials Reactive o		incompatible with acids.		
Conditions to avoid No specific		data.		
Possibility of hazardous reactions		May cause an exothermic reaction in presence of acids.		
Hazardous decomposition products		Under normal conditions of storage and use, hazardous decomposition products should not be produced.		

11. TOXICOLOGICAL INFORMATION

Route of exposure	Not available.					
	Potential acute	e health effects		Symptoms		
Eye contact			Adverse symptoms may include the following: pain watering redness			
Skin contact	May cause skin burns		Adverse symptoms may include the following: pain or irritation redness blistering may occur			
Ingestion	May cause burn stomach.	May cause burns to mouth, throat and stomach.		Adverse symptoms may include the following: stomach pains		
Inhalation	May cause respiratory irritation. Inhalation of vapors or mist may cause respiratory tract irritation.			Adverse symptom respiratory tract coughing	ns may include the following: irritation	
Toxicity data						
Product/ingredient name		Result	Species	Dose	Exposure	
sodium hypochlorite solution Cl active		LC50 Inhalation Gas. LD50 Oral	Rat Rat	>10500 mg/m ³ 8910 mg/kg	1 hours	

Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Sensitization	Not available.
Carcinogenicity	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Product/ingredient name	Result	Species	Exposure
sodium hypochlorite solution Cl active	Acute EC50 0.67 mg/l Marine water	Algae - Phaeodactylum tricornutum - Exponential growth phase	96 hours
	Acute LC50 56400 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 32 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 32 µg/l Marine water	Fish - Oncorhynchus kisutch - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 0.5 mg/l Marine water	Algae - Isochrysis galbana - Exponential growth phase	96 hours



	Chronic NOEC 0.1 ppm Fresh water	Fish - Cyprinus carpio - Young 30 days
Persistence and : Unknown degradability	Bioaccumulative potential : Unknown Mobility in soil	: Unknown Other adverse effects : Unknown

13. DISPOSAL CONSIDERATIONS

Disposal methods

Dispose content and container in accordance with local, regional and national regulation in force.

14. TRANSPORT INFORMATION						
	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard	
TDG Classification	UN1791	Hypochlorite solution (sodium hypochlorite, solution)	8	Ш	A CONTRACTOR	
Product classified as per	the following section	ons of the Transportation of Dangero	ous Goods Regulations: 2.40-2	.42 (Class 8).		
Additional information	See shipping docur	nents for specific information on DO	T, IMDG or IATA			

15. REGULATORY INFORMATION

<u>Canadian lists</u>	
Canadian NPRI	None of the components are listed.
CEPA Toxic substances	None of the components are listed.
Canada inventory	All components are listed or exempted.
International lists	

United States All components are active or exempted.

16. OTHER INFORMATION			
Hazardous Materi	ial Information System (U.S.A.)	Health Hazard Fire Hazard Reactivity Personal Protection	0
DD)	te of revision (YYYY-MM- : 2021	1-02-22	
	Sani-Marc Inc. 42 rue de l'Artisan Victoriaville, Qc G6P 7E3 1-819-758-1541		

Notice to reader

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assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility 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.

