



Centre Anti-Poison pour le Québec: (800) 463-5060

Tél. (Qc): (418) 660-8666 / 800-890-8666


Fax. (Qc): (418) 660-8998

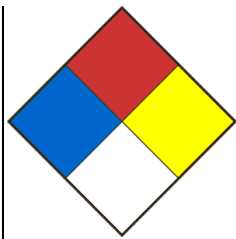
SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SODIUM CHLORITE (~80%)		Product Use Laboratory use	
Chemical formula NaClO ₂		Product code ST-0855	Molar weight 90,44
Chemical name / Commercial name / Synonymous SODIUM CHLORIDE, ALICIDE LD, CHLOROUS ACID SODIUM SALT			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666		CENTRE ANTI-POISON DU QUÉBEC 800-463-5060
Date SDS 6/25/2020	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Oxidizing solids category 1</p> <p>Skin corrosion/irritation - Skin corrosion category 1B</p> <p>Serious eye damage/eye irritation - Serious eye damage category 1</p> <p>Specific Target Organ Toxicity - Repeated exposure category 2</p> <p>Acute toxicity - Oral category 3</p> <p>Acute toxicity - Dermal category 2</p>
Signal Word	<p>DANGER</p>
Hazards statements (H)	<p>H271 May cause fire or explosion; strong oxidiser.</p> <p>H301 Toxic if swallowed.</p> <p>H310 Fatal in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>
Precautionary statements (P)	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P220 Keep/Store away from clothing and combustible materials.</p> <p>P260 Do not breathe dust / fume / gas / mist / vapours / spray.</p> <p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do no eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P283 Wear fire/flame resistant/retardant clothing.</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P306 + P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P321 Specific treatment (see section 4 of the SDS and on this label).</p> <p>P330 Rinse mouth.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370 + P378 In case of fire: Use dry powder or dry sand for extinction.</p> <p>P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</p> <p>P405 Store locked up.</p> <p>P420 Store away from other materials.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p>
PICTOGRAMS	
Other dangers	<p>NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)</p>



Health 4
Fire 0
Reactivity 2
Special danger OX

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Chlorite de sodium	7758-19-2	77-83
Chlorure de sodium	7647-14-5	5-20
Carbonate de sodium	497-19-8	0-10
Eau	7732-18-5	0-5
Chlorate de sodium	7775-09-9	<1

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	Do NOT induce vomiting. If the person is conscious, rinse the mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Fine dust in sufficient concentration may be combustible, or explode if confined to a small space and subject to a source of ignition.
Suitable extinguishing media	Dry powder or dry sand.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Chlorine gas. - Hydrogen chloride gas - Sodium oxides.
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10). Oxidizer: Fire hazard in case of contact with combustible / organic substance. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnel precautions, protective equipment	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. Discharge into the environment must be avoided.
--	--

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Hygroscopic. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control	Value	Basis
SODIUM CHLORITE	7758-19-2	TLV, TWA, STEL	No data available	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TLV, TWA, STEL	No data available	Canada. British Columbia OEL
		TLV, TWA, STEL	No data available	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Ventilation	Use fan.
Respiratory	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Safety shoes.
Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.
Appearance	Poudre blanche.
Odour	inodore.
Odour threshold	Data not available
pH	10.0 - 11.0 à 100 g/l à 20 °C.
Melting point / Freezing point	180-200°C
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	7%
Upper flammable / Explosive limit	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	2.432g/cm ³
Solubility	Soluble dans l'eau 545g/L à 20°C. Légèrement soluble dans le méthanol.
Partition coefficient water/n-octanol	log Pow: < -2.7-
Auto-ignition temperature	Data not available
Decomposition temperature	180°C
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Oxidizer: Fire hazard in case of contact with combustible / organic substance.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid contact with incompatible materials. Contact with acids liberates toxic gas.
Incompatible material	Strong reducing agents, Powdered metals, phosphorus, Sulfur compounds, Zinc, Ammonia, Organic materials, acids, Amines.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Sodium oxides. - Hydrogen chloride gas Gaseous chlorine.

SECTION 11 - TOXICOLOGICAL INFORMATION

SODIUM CHLORITE (~80%)

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation and burning of the eye tissue that may result in partial or complete loss of vision.
- Skin	Severe irritation and burning.
- Inhalation	Corrosive to the respiratory tract.
Acute toxicity (Ingestion)	Irritation of the mucous membranes.
Chronic exposure effects / symptoms	Group 3: unclassifiable agent for its carcinogenicity (Group 3 IARC). To our knowledge, the chemical, physical and toxicological properties have not been fully investigated. The use of a gastric wash or emesis is contraindicated. Possible perforation of the stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to delicate tissues and the danger of perforation. Prolonged or repeated exposure to this product can cause damage to the following organs: Target organs: Weight loss and loss of appetite. Lung. Spleen.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 284 mg/kg. LD50 Dermal - Rabbit - Male et female - 134 mg/kg.
CL50 (specify species and route of entry)	CL50 inhalation - Rat 0.23 mg/L - 4h.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	EC50 - Daphnia magna (Water flea) - Static test: < 1 mg/L - 48 h. EC50 - Pseudokirchneriella subcapitata (green algae) - Static test: < 1 mg/L - 96 h. CL50 - Cyprinodon variegatus (Cyprinodon) - Flow-through test - 105 mg/L - 96 h. LC50 - Lepomis macrochirus - Static test: 100 mg/L - 96 h. LC50 - Oncorhynchus mykiss (rainbow trout) - Static test: 100 mg/L - 96 h. CL50 - Brachydanio rerio Static test: 100-500 mg/L - 96 h.
Persistence and degradability	Soluble in water. Persistence is unlikely based on the information provided.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility in the environment due to its solubility in water.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life. Avoid release to the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	1496
UN Proper shipping name	CHLORITE DE SODIUM contenant plus de 7 pour cent de chlore libre
Transport hazard class(es)	5.1 Oxidizing substances
Packing group	II
Limited quantity index	1kg
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Oxidizing solids category 1 Skin corrosion/irritation - Skin corrosion category 1B Serious eye damage/eye irritation - Serious eye damage category 1 Specific Target Organ Toxicity - Repeated exposure category 2 Acute toxicity - Oral category 3 Acute toxicity - Dermal category 2
--------------	---

SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 6/25/2020