



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

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


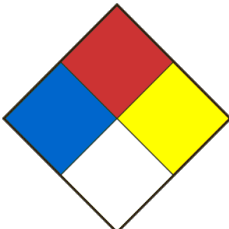
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CALCIUM HYPOCHLORITE (65% Chlorine available)		Product Use Laboratory use	
Chemical formula Ca(OCl) ₂		Product code CP-0113	Molar weight 142,99
Chemical name / Commercial name / Synonymous CALCIUM HYPOCHLORITE, CALCIUM HYPOCHLORIDE, HYPOCHLOROUS ACID CALCIUM SALT, LOSANTIN, CALCIUM OXYCHLORIDE, BLEACHING POWDER, HY-CHLOR			
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 3/17/2020	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Skin corrosion/irritation - Skin corrosion category 1B</p> <p>Serious eye damage/eye irritation - Serious eye damage category 1</p> <p>Acute toxicity - Oral category 4</p> <p>Acute toxicity - Inhalation category 3</p> <p>Specific target organ toxicity - Single exposure category 3</p> <p>Oxidizing solids category 2</p>		
Signal Word	DANGER		
Hazards statements (H)	<p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H331 Toxic if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H272 May intensify fire; oxidiser.</p>		
Precautionary statements (P)	<p>P260 Do not breathe dust / fume / gas / mist / vapours / spray.</p> <p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</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>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P311 Call a POISON CENTER or doctor/physician.</p> <p>P312 Call a POISON CENTER or doctor/physician 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>P363 Wash contaminated clothing before reuse.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</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>P370 + P378 In case of fire: Use dry powder for extinction.</p>		
PICTOGRAMS			
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)		
	<p>Health 2</p> <p>Fire 0</p> <p>Reactivity 3</p> <p>Special danger OX</p>		

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Hypochlorite de calcium	7778-54-3	60-75

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	Not flammable or combustible.
Suitable extinguishing media	Dry powder.
Unsuitable extinguishing media	Do not use carbon dioxide. Do not use chemical powder.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. - Calcium oxide. Hydrogen chloride gas.
Special fire and explosion hazards	Powerful oxidizer. Contact with other oxidizing or reducing material may cause fire or explosion. Containers exposed to fire may explode. Keep away from heat and moisture. May react violently with incompatible products (Ref Section 10).
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 / Personal 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.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed and store away from heat, moisture, and incompatible products. Store in a cool, dry place. Store in a well-ventilated area. Protect against the sun's rays. Do not store near acids. Never allow product to get in contact with water during storage. Keep away from heat and sources of ignition. Keep at temperatures below 50°C.
Methods of handling	Do not bottle in a metal container. Avoid contact with the skin, eyes and clothes. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control	Value	Basis
CALCIUM HYPOCHLORITE	7778-54-3	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 work under the hood is not possible, or 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	Granules/ poudres blanches.
Odour	Chlore.
Odour threshold	Data not available
pH	10.4-10.8.
Melting point / Freezing point	100°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	Data not available
Upper flammable / Explosive limit	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	2.35g/cm ³
Solubility	Soluble dans l'eau.
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Beyond a few years and depending on the storage conditions, the product gradually loses its chlorine concentration. Avoid excessive heat and humidity. Avoid temperatures exceeding 50 ° C. Sun exposure.
Incompatible material	Combustible materials, strong reducing agents, strong acids and organic compounds in general. Highly reactive with the following products: Acid anhydrides, amines, halogen.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas - Calcium oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

CALCIUM HYPOCHLORITE (65% CHLORINE AVAILABLE)

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation and burns that may cause permanent eye damage.
- Skin	Severe irritation and tissue burns. May cause ulcers, local discolouration and eczema.
- Inhalation	Excessive inhalation of dust can cause severe damage to the respiratory system and lungs.
Acute toxicity (Ingestion)	May cause severe burns to the mouth and stomach.
Chronic exposure effects / symptoms	Ingestion can be fatal. Group 3: unclassifiable agent for its carcinogenicity (Group 3 IARC). 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. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 850 mg/kg LD50 Dermal - Rat - > 2000 mg/kg
CL50 (specify species and route of entry)	CL50 inhalation - Rat 2.04 mg/L - 1 h

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Lepomis macrochirus - 0.057 mg/L - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - Semi-Static - 0.055 - 0.1 mg/L - 96 h EC50 - Daphnia magna (Water flea) - 0.067 mg/L - 48 h
Persistence and degradability	Soluble in water. Persistence is unlikely based on information available.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility 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.

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	1748
UN Proper shipping name	HYPOCHLORITE DE CALCIUM SEC contenant plus de 39 pour cent de chlore actif
Transport hazard class(es)	5.1 Oxidizing substances
Packing group	II
Limited quantity index	1kg
ERAP Index	-
Special precautions	38, 94

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	<p>Skin corrosion/irritation - Skin corrosion category 1B</p> <p>Serious eye damage/eye irritation - Serious eye damage category 1</p> <p>Acute toxicity - Oral category 4</p> <p>Acute toxicity - Inhalation category 3</p> <p>Specific target organ toxicity - Single exposure category 3</p> <p>Oxidizing solids category 2</p>
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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.

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