SAFETY DATA SHEET

SECTION 01 - IDENTIFICATION

Product Identifier	SODIUM DICHLOROISOCYANURATE
Other identification (Chemical name, Commercial name, Synonymous)	1-Sodium-3,5-dichloro-S-triazine-2,4,6-trione; DCCNa; Dichloro-1,3 S-triazine trione-2,4,6 de sodium; Dichloroisocyanuric acid sodium salt; Sodium dichloroisocyanurate.
Product code	SP-0928
Chemical formula	$C_3Cl_2N_3NaO_3$
Molar weight	219.98
Recommended use and Restrictions on use	For laboratory, school, commercial or industrial use. Not for medical or household use. Do not use for medical, food or household purposes.
Supplier	LABORATOIRE MAT 610, rue Adanac Québec Québec G1C 7B7 418-660-8666 Mon-Fri 8h-16h www.labmat.com labmat@labmat.com
Emergency phone	418-660-8666 Mon-Fri 8h-16h CENTRE ANTI-POISON DU QUÉBEC 800-463-5060
Date SDS	2026-03-27

SECTION 02 - HAZARDS IDENTIFICATION

WHIMS CANADA

- Oxidizing solids - category 2
- Acute toxicity - Oral - category 4
- Serious eye damage/eye irritation - Eye irritation - category 2
- Specific target organ toxicity - Single exposure - category 3

PICTOGRAMS

Signal Word

DANGER

Hazards statements (H)

- May intensify fire; oxidizer
- Harmful if swallowed
- Causes serious eye irritation
- May cause respiratory irritation

Precautionary statements (P)

- Keep away from heat, sparks, open flames, hot surfaces. — No smoking.
- Keep away from clothing and combustible materials.
- Wear protective gloves (nitrile, butyl, neoprene), protective clothing and eye and face protection.
- In case of fire: Use dry powder or dry sand to extinguish.
- Dispose of contents and container in accordance with local, regional and national regulations, or contact a specialist waste disposal company.
- Wash thoroughly after handling.
- IF SWALLOWED: Call a POISON CENTER or a physician if you feel unwell.
- Rinse mouth.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists get medical attention.
- Avoid breathing mists, gases, vapors and other fumes, or the product itself.
- Use only outdoors or in a well-ventilated area.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or a doctor or if you feel unwell.
- Store in a well ventilated place. Keep container tightly closed.
- Store locked up.

Other dangers

NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)

Health	3
Fire	1
Reactivity	2
Special danger	OX

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	No. CAS	% Weight
Sodium dichloroisocyanurate	2893-78-9	<=100%

SECTION 04 - FIRST AID MEASURE

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 contaminated 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	If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Production of hypochlorous acid and cyanuric acid upon contact with the moisture of the mucous membranes, leading to a local tissue-destructive action. Skin, eye and respiratory system irritation. Dermatitis. Ref. section 11.
Immediate medical attention and special treatment, if necessary	Treat according to symptoms. Show this sheet to the attending physician.

SECTION 05 - FIREFIGHTING MEASURES

Suitable extinguishing media	Use water to extinguish the fire.
Unsuitable extinguishing media	Data not available.
Combustion products	Hazardous combustion products formed under fire conditions: Gaseous chlorine Nitrogen oxides (NOx). Carbon oxides. Carbon dioxide. Nitrogen chlorides. Cyanogen chloride. Cyanogen.
Specific hazards of the dangerous product	Poisonous gases may be produced when heated. 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

Personal precautions, protective equipment and emergency measures	Evacuate personnel to safe areas. When handling, wear appropriate safety equipment (reference Section 8 for protective equipment to be used). Ensure a good ventilation. Use NIOSH cartridge respiratory protection if necessary or for larger spills. Cut off all sources of ignition. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Avoid dust formation. Avoid breathing dust.
Methods and materials for containment and cleaning up	Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Discharge into the environment must be avoided. Do NOT use combustible absorbents.

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Powerful oxidizer. Contact with combustible materials may cause fire. Keep away from heat and sources of ignition. Store in a cool, dry, and well-ventilated place. Keep container tightly closed and store away from heat, water, moisture, and incompatible products (ref. section 10). Hygroscopique Protect from light and sunlight.
Methods of handling	Avoid contact withh eyes, skin and clothing. Avoid ingestion and inhalation. Avoid grinding or heat the product in the presence of combustible and organic materials. Wear personal protective equipment (ref. section 8) when handling. Always ensure good ventilation. Apply the usual standard hygiene rules: Wash your hands after use. Do not eat or drink during use.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

WORKPLACE CONTROL PARAMETERS

Component	CAS-No.	Value
		No occupational exposure limits established by region-specific regulators - Quebec, Alberta, Ontario, British Columbia.

Respiratory	If work under the hood is not possible, or if the permissible levels are exceeded, use NIOSH cartridge respiratory protection, or an air-supplied respirator.
Gloves	Handle with protective gloves. Suggested material: Nitrile. Butyl. Neoprene. The type, thickness and length of the glove must be chosen according to the use, the concentration of the product, as well as the duration of use. Replace gloves regularly for better protection.
Eyes	Safety goggles with safety shutters.
Shoes	Use safety shoes.
Clothes	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	Use fan. 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.
Color	White.
Odour	Smell of chlorine.
Odour threshold	Data not available.
Melting point and freezing point	230-250 °C.
Boiling point	Data not available.
Flammability	Oxydazer.
Lower flammable / Explosive limit	Data not available.
Upper flammable / Explosive limit	Data not available.
Flash point	Data not available.
Auto-ignition temperature	225 °C (473 °F) at 1013 hPa.
Decomposition temperature	240 °C.
pH	6.2-6.8, 1% aqueous solution.
Kinematic viscosity	Data not available.
Solubility	Soluble in water (227 mg/ml) at 25 °C
Partition coefficient water/n-octanol	Data not available.
Vapour pressure	Data not available.
Relative density	0.96 at 68 °F.
Vapour density	Data not available.
Particle characteristics	Crystalline powder.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances. Oxidizer: risk of fire in case of contact with combustible or organic substance. May form explosive mixtures with air on intense heating.
Chemical stability	Stable under recommended storage conditions. Moisture sensitive. Air sensitive.
Possibility of hazardous reactions	May react violently with incompatible substances. Risk of fire or explosion if heated or crushed in presence of combustible or organic products. Containers exposed to fire or its heat may explode.
Conditions to avoid	Avoid moisture. Avoid excessive heat. Avoid contact with incompatible materials.
Incompatible materials	Organic materials. Combustible materials. Calcium hypochlorite. Ammonium nitrate.
Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO_2). Gaseous chlorine. Cyanogen chloride. Nitrogen oxides (NOx). Cyanogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

SODIUM DICHLOROISOCYANURATE

Routes of exposure	Ingestion, inhalation, skin and eye contact.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	May cause severe eye irritation.
- Skin	Irritation. Skin sensitizer.
- Inhalation	Cough. Sneezing.
Acute toxicity (Ingestion)	Burning of the mouth, throat, esophagus and abdominal wall. Breathing difficulties. Production of hypochlorous acid and cyanuric acid upon contact with the moisture of the mucous membranes, leading to a local tissue-destructive action.
Chronic exposure effects / symptoms	Dermatitis.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 1 420 mg/kg. LD50 Dermal - Rabbit - >2000mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 4 h - > 0,27 mg/l.

SECTION 12 - ECOLOGICAL INFORMATION

SODIUM DICHLOROISOCYANURATE

Ecotoxicity	Data not available.
Persistence and degradability	Data not available.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility in the environment due to its solubility in water.
Other adverse effects	Causes long-term adverse effects. Very toxic to aquatic organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

UN Number	UN2465
UN Proper shipping name	
Transport hazard class(es)	Matières comburantes 5.1
Packing group	II
Limited quantity index	1 kg
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA

- Oxidizing solids - category 2
- Acute toxicity - Oral - category 4
- Serious eye damage/eye irritation - Eye irritation - category 2
- Specific target organ toxicity - Single exposure - category 3

SECTION 16 - OTHER INFORMATION

CNESST: Commission des normes, de l'équité et de la santé et sécurité au travail
NIH: National institute of health (U.S. Naltional Library of Medecine)
ECHA: Agence Européenne de Chimie
ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
VECD: Valeur d'exposition courte durée
VEMP: Valeur d'exposition moyenne pondérée
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TLV : Threshold limit value
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling
RSST: Règlement sur la santé et sécurité au travail (Québec)
INRS: l'Institut national de recherche et de sécurité pour la prévention des accidents du travail et des maladies professionnelles (France)

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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