SAFETY DATA SHEET

SECTION 01 - IDENTIFICATION

Product Identifier	SODIUM CARBONATE (ANHYDROUS)
Other identification (Chemical name, Commercial name, Synonymous)	SODIUM CARBONATE ANHYDROUS; DISODIUM CARBONATE; CARBONIC ACID DISODIUM SALT; SODA ASH; SODA CALCINED; SOLVAY SODA; CRYSTOL CARBONATE;TRONA
Product code	SR-0133
Chemical formula	Na_2CO_3
Molar weight	105.99
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	2026-10-27

SECTION 02 - HAZARDS IDENTIFICATION

WHIMS CANADA	- Serious eye damage/eye irritation - Eye irritation - category 2A
PICTOGRAMS	
Signal Word	ATTENTION
Hazards statements (H)	- Causes serious eye irritation
Precautionary statements (P)	- Wash thoroughly after handling. - Wear protective gloves (nitrile, butyle, neoprene), protective clothing and eye and face protection. - 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.
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)

Health	1
Fire	0
Reactivity	0
Special danger	

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	No. CAS	% Weight
Sodium carbonate	497-19-8	<=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. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms and effects (acute and delayed) Main symptoms of high exposure: Skin, eye and respiratory system irritation. Diarrhea. Abdominal pain. Nausea and vomiting. 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 spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Not applicable.

Combustion products Hazardous combustion products formed under fire conditions: Carbon oxides. Sodium oxides.

Specific hazards of the dangerous product 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.

Methods and materials for containment and cleaning up Pick up with a shovel or broom, taking care not to scatter dust. Neutralize residues with dilute acid, then rinse with water. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Discharge into the environment must be avoided.

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage Store in a cool, dry, and well-ventilated place. Keep container tightly closed and store away from heat, moisture, and incompatible products (ref. section 10).

Methods of handling Do not bottle in a metal container. Avoid contact withh eyes, skin and clothing. Avoid ingestion and inhalation. 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
Sodium carbonate	497-19-8	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 Gloves resistant to basic corrosive materials. Suggested material: Nitrile. Neoprene. Butyl. 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	Odorless
Odour threshold	Data not available
Melting point and freezing point	851°C
Boiling point	1600°C
Flammability	No
Lower flammable / Explosive limit	Data not available
Upper flammable / Explosive limit	Data not available
Flash point	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
pH	12 @ 106 g/l @ 25°C
Kinematic viscosity	Not applicable
Solubility	Soluble in water (28.5%). Insoluble in alcohol
Partition coefficient water/n-octanol	Data not available
Vapour pressure	Data not available
Relative density	2.532g/cm3 @20°C
Vapour density	Data not available
Particle characteristics	Granular powder

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Basic product, reacts violently with strong acids.
Chemical stability	Hygroscopic.
Possibility of hazardous reactions	May react violently with incompatible substances.
Conditions to avoid	Avoid moisture. Avoid contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizers. Violent reaction with: Aluminium. Sulfuric acid. Fluorine. Lithium. Phosphorus pentoxide.
Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO2). Sodium oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

SODIUM CARBONATE (ANHYDROUS)

Routes of exposure	Ingestion, inhalation, skin and eye contact.
Acute exposition effects / symptoms:	By exposure route below. The corrosive effect will outweigh the toxicity for the concentrated product.
- Eyes	May cause severe eye irritation. Tearing
- Skin	May cause skin irritation. Redness.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Cough. Dyspnoea. Breathing difficulties. Headaches.
Acute toxicity (Ingestion)	Bloody vomiting Diarrhea. Abdominal pain.
Chronic exposure effects / symptoms	Burning sensation. Dermatitis. Respiratory failure. Nausea and vomiting. Headache. Asthmatic.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 2800 mg/kg. LD50 Dermal - Rabbit - 2000mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 2 h - 2.3 mg/L.

SECTION 12 - ECOLOGICAL INFORMATION

SODIUM CARBONATE (ANHYDROUS)

Ecotoxicity	Toxicity to fish: LC50 - Lepomis macrochirus - 300 mg/l - 96h. Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 625 mg/l - 48h.
Persistence and degradability	Persistence is unlikely based on information provided.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility in the environment due to its solubility in water.
Other adverse effects	Data not available.

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	N/R
UN Proper shipping name	
Transport hazard class(es)	
Packing group	
Limited quantity index	
ERAP Index	-
Special precautions	

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA - Serious eye damage/eye irritation - Eye irritation - category 2A

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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