

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking**1.1. Product Identifier**

Product Name : Sodium Carbonate
Molecular weight : 105.99
CAS-No. : 497-19-8
Chemical Formula : Na₂CO₃
HS Code : 2836 2000
Synonyms : Sodium Carbonate; Soda Ash

1.2. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone : +1(868) 225-4858
Mobile : +1(868) 720-2517
Email : sdeokiesingh@greensolltd.com

1.3. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
: +1(800) 424-9300 (CHEMTREC)

SECTION 2: Composition/Information on ingredients

Ingredients	Cas #	Percentage	LD 50	LC 50
Sodium Carbonate	497-19-8	99-100	Rat, Oral: 4090 mg/kg.	Not Available

SECTION 3: Hazards Identification

Hazard Pictogram :



GHS07

Signal Word :

WARNING

Emergency Overview :

Danger! May cause eye burns. Harmful if swallowed or inhaled.
Causes irritation to skin and respiratory tract.

Potential Health Effects:

Inhalation :

Inhalation of dust may cause irritation to the respiratory tract.
Symptoms from excessive inhalation of dust may include coughing

	and difficult breathing. Excessive contact is known to cause damage to the nasal septum.
Ingestion	: Sodium carbonate is only slightly toxic, but large doses may be corrosive to the gastro-intestinal tract where symptoms may include severe abdominal pain, vomiting, diarrhea, collapse and death.
Skin Contact	: Excessive contact may cause irritation with blistering and redness. Solutions may cause severe irritation or burns.
Eye Contact	: Contact may be corrosive to eyes and cause conjunctival edema and corneal destruction. Risk of serious injury increases if eyes are kept tightly closed. Other symptoms may appear from absorption of sodium carbonate into the bloodstream via the eyes.
Chronic Exposure Aggravation of Pre-existing Conditions	: Prolonged or repeated skin exposure may cause sensitization. : No information found.

SECTION 4: First Aid Measures

Inhalation	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact	: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye contact	: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Ingestion	: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Note to Physician	: Consider endoscopy in all suspected cases of sodium carbonate poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

SECTION 5: Firefighting measures

Fire	: Fire Not considered to be a fire hazard.
Explosion	: Not considered an explosion hazard, but sodium carbonate may explode when applied to red-hot aluminum.
Fire Extinguishing Media	: Use any means suitable for extinguishing surrounding fire.
Special Information	: Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills : Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

SECTION 7: Handling & Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8: Exposure Controls / Personal Protection

Airborne Exposure Limits : None established.

Ventilation System : A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details

Personal Respirators (NIOSH Approved) : For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection : Wear protective gloves and clean body-covering clothing.

Eye Protection : Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9: Physical and Chemical Properties

Appearance : White powder or granules.

Odor : Odorless

Solubility : 45.5 g/100 ml water @ 100C (212F)

Specific Gravity : 2.53

pH : 11.6 Aqueous solution

% Volatiles by volume @ 21C (70F) : 0

Boiling point : Decomposes

Melting point : 851C (1564F)

Vapor Density (Air=1) : No information found.

Vapor Pressure (mm Hg) : No information found.

Evaporation Rate (BuAc=1) : No information found.

SECTION 10: Stability and Reactivity

Stability	: Stable under ordinary conditions of use and storage. Hygroscopic. Readily absorbs moisture from the air. Solutions are strong bases.
Hazardous Decomposition Products	: Oxides of carbon and sodium oxide.
Hazardous Polymerization	: Will not occur.
Incompatibilities	: Fluorine, aluminum, phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene. Reacts violently with acids to form carbon dioxide.
Conditions to Avoid	: Moisture, heat, dusting and incompatibles.

SECTION 11: Toxicological Information

For Sodium Carbonate	: Oral rat LD50: 4090 mg/kg; inhalation rat LC50: 2300 mg/m ³ /2H; irritation eye rabbit: 50 mg severe; investigated as a mutagen, reproductive effector.
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SECTION 12: Ecological Information

Environmental Fate	: No information found.
Environmental Toxicity	: No information found.

SECTION 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: Transportation Information

Not regulated.

SECTION 15: Regulatory Information**Canada whims:**

Whims product classification: D2B

Ingredient disclosure: None

Canada DSL inventory status: All components of this product are either on the domestic substances list, the non-domestic substances list (NDSL), or are exempt.

U.S. federal regulation:

TSCA: All components of this product are either on the toxic substances control act inventory list or are exempt.

CERCLA: Not listed

SARA TITLE III SECTION 302: Not listed
SARA TITLE III SECTION 311/312: Not listed
SARA TITLE III SECTION 313: Not listed
Other (provincial/state) regulations:
California proposition65: Not listed

SECTION 16: Other Information

	Health	Fire	Reactivity
NFPA Rating:	2	0	0

Label Hazard Warning	:	Danger! May cause eye burns. Harmful if swallowed or inhaled. Causes irritation to skin and respiratory tract.
Label Precautions	:	Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.
Label First Aid	:	In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In all cases, get medical attention.

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version	Date of Change	Change Description	Responsible Person
1	21-05-2024	Updated to supplier SDS Rev. 1	Laboratory Coordinator