



Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns with the United Nations Globally Harmonized System
Conforms to The United Nations Regulation Globally Harmonized System

Revision Date: 03/15/2024

Revision 04

Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Sodium Carbonate**

1.2 Distributor: Vitro Chemicals, Fibers & Mining, LLC, 13711 Regional Drive. Laredo, TX 78045
(956)717-4226

1.3 Product Use: Miscellaneous chemical additive

1.4 Emergency Telephone: Hazmat Service 800-373-7542

1.5 Contract Number 1186

Section 2 - Hazards Identification

GHS HAZARD

2.1 Hazard Classes

Eye irritation

Hazard Categories

Category 2A

2.2 Signal Word: **Warning**



2.3 Pictograms:

2.4 Hazard Statements

PHYSICAL HAZARDS:

None

HEALTH HAZARDS

H319: Causes serious eye irritation

ENVIRONMENTAL HAZARDS:

None

PRECAUTIONARY STATEMENTS:

P264: Wash skin thoroughly after handling
P280: Wear protective gloves and eye protection

RESPONSE STATEMENTS:

P305+P338+P351: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
P313+P337 If eye irritation persists, Get medical attention.

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STORAGE STATEMENTS: none

DISPOSAL STATEMENTS: P501: Dispose of content and container following local, regional, national, or international regulations

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: WARNING: May form an explosible dust-air mixture if dispersed. Keep away from all ignition sources, including heat, sparks, and flame. Prevent dust accumulations to minimize explosion hazards. Control dust exposures to below applicable occupational exposure limits. OSHA says that all dust is to be considered combustible.

Section 3 - Composition / Information on Ingredients

3.1

Chemical Names	CAS #.	Concentration%	Harmonized Classification
Sodium Carbonate	497-19-8	100%	Eye Irrit. 2 H319

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Prolonged or repeated skin contact with this product may cause mild irritation.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

4.3 Ingestion: Sodium Carbonate is of low oral toxicity, however, ingestion of large amounts of Sodium Carbonate can cause metabolic alkalosis.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Dust of this product can irritate the respiratory system.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

4.5 After first aid, get appropriate paramedic or community medical support.

Note to Physicians: The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

Section 5 - Fire-Fighting Measures

5.1 Flammable Properties: Not flammable

5.2 Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, or appropriate foam. Use water to keep non-leaking, fire-exposed containers cool.

5.3 Special hazards arising from the substance or mixture: Emits Na₂O fumes when heated to decomposition.

5.4 Precautions for Firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, thermal decomposition or combustion

Sodium Carbonate

may generate irritating and highly toxic gases. Use water spray to keep fire-exposed containers cool. Substance is noncombustible. Contact with metals may evolve flammable hydrogen gas.

Section 6 - Accidental Release Measures

6.1 Personal Precautions: Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation or move the container to a well-ventilated and secure area. Do not touch damaged containers or spilled products unless wearing appropriate protective equipment. Before entering, especially confined areas, check the atmosphere with an appropriate monitor.

6.2 Methods for Containment and Clean-up

Contain the discharged material. If sweeping of a contaminated area is necessary use a dust suppressant agent.

6.3 Other Information: As required, report spills to local health, safety and environmental authorities.

Section 7 - Handling and Storage

7.1 Handling: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Use with adequate ventilation. Do not breathe dust to minimize dust generation and accumulation. Do not get in the eyes, on skin, or clothing.

7.2 Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep quantities stored as small as possible. The storage area should be identified, clear of obstruction, and accessible only to trained and authorized personnel.

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Sodium Carbonate	5 mg/m ³ TWA Respirable fraction	5 mg/m ³ TWA Respirable fraction

8.2 ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

8.3 Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.4 Personal protective equipment

8.4.1 Respiratory protection respirator: Use a type N100 as a backup to engineering controls.

8.4.2 Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011**

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

8.4.3 Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

8.4.4 Skin and body protection

Chemical splash protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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8.5 Protective Clothing Pictograms



Section 9 - Physical and Chemical Properties

9.1

Physical State: Solid Powder
Appearance: White
Odor: Odorless
Vapor Pressure: Not Available
Vapor Density (Air=1): Not Available
Specific Gravity (H2O=1): 2.5
Relative Density: Not Available
Odor Threshold: Not Available
Flammability (solid, gas): Not applicable. **Evaporation rate:** Not Available
Partition coefficient octanol/water: Not Available

Water Solubility: Soluble in hot water
Flash Point: Not applicable
Boiling Point/Range: 3038°F
Freezing/Melting Point: Not Available
Viscosity: Not Available
LEL: Not Available
UEL: Not Available
Viscosity: Kinematic Not Available
Autoignition Temperature: Not Available
Decomposition temperature: Not Available
pH: 11

Section 10 - Stability and Reactivity

10.1 Chemical Stability: Stable under ordinary conditions of use and storage.

10.2 Conditions to Avoid: Reactive with acids. Slightly reactive to moisture.

10.3 Incompatible Materials: Hygroscopic. Combines with water with the evolution of heat. Incompatible with phosphorus pentoxide, lithium, fluorine, fluoride, ammonia + silver nitrate, 2,4,6-trinitrotoluene, ammonia, acids, sodium sulfide + water, hydrogen peroxide, red hot aluminum metal, sodium sulfide, zinc, calcium hydroxide. Sodium Carbonate is decomposed by acids with effervescence. Reacts violently with F2, Lithium, and 2, 4, 6-trinitrotoluene. Sodium begins to decompose at 400 C to evolve CO2.

10.4 Special Remarks on Corrosivity: Hot concentrated sodium carbonate solutions are mildly corrosive to steel.

10.5 Hazardous Polymerization: Will not occur.

Section 11- Toxicological Information

11.1 Toxicity Data

Chemical Name	LD50 oral rat	LC50 Dermal Rat
Sodium Carbonate	4090 mg/kg	5070mg/l

11.2 Carcinogenicity: No

Chemical Name	IARC	ACGIH	NTP	OSHA
Sodium Carbonate	Not Listing	Not Listing	Not listed	Not Listed

11.3 Key to Abbreviations

Sodium Carbonate

IARC = International Agency for Research on Cancer.

ACGIH= American Conference of Governmental Industrial Hygienists

NTP = National Toxicology Program.

11.4 Routes: Eye contact.

11.5 Target Organs: None

11.6 Potential health effects: Repeated or prolonged contact with dust may produce chronic eye irritation. Repeated or prolonged exposure to dust may produce respiratory tract irritation.

11.7 Inhalation Irritation to the respiratory system

11.8 Ingestion Harmful if swallowed.

11.9 Skin Can cause mild skin irritation.

11.10 Eyes Causes severe eye irritation.

11.11 Signs and Symptoms of Exposure: Dust may irritate the eyes, mouth, and respiratory tract. Inhaling the dust may produce severe irritation of the respiratory tract, characterized by coughing, choking, or shortness of breath. Eye inflammation is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

11.12 Teratogenicity: Not harmful to the unborn child

11.13 Reproductive Toxicity: Not a reproductive hazard

11.14 Mutagenicity: Not a mutagen

Section 12 - Ecological Information

12.1

Sodium Carbonate	LC50 300 mg/l	Fish	96 hours
Sodium Carbonate	EC50 265 mg/l	Daphnia	48 hours

Toxicity Not toxic to aquatic organisms, contain runoff.

Mobility in soil: No Data available.

Persistence/degradability: No Data available.

Bioaccumulation: No Data available.

PBT and vPvB assessment: No Data available.

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be completely emptied before being discarded. Containers with residues should be considered hazardous waste. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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Section 14 - Transport Information

14.1

Regulatory Information	UN #	Proper Shipping Name	Hazard Class	PG	Label	Additional Information
US DOT Classification		Not Regulated				

Section 15 - Regulatory Information

15.1 US Regulations:

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.3.

TRI Reporting SARA 313: None Listed.

CERCLA Hazardous Substances and corresponding RQs None

SARA Community Right-to-Know Program: None

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are listed in 1910.1200.

State Regulations

California prop. 65: None

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

New Jersey: All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall decide the product's suitability for their particular purpose and that they assume the risk of its use.

16.2 References: European Chemical Agency Database and MSDS and SDS of chemicals in this mixture.

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16.3 SJC Compliance Education Inc. (SJC) did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by Vitro Chemicals, Fibers & Mining, LLC. or was reproduced from publicly available regulatory data sources and product SDSs. SJC makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability concerning the use of this information or the substance described in this SDS.

16.4 SDS Preparation Date: 05/22/2015

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END OF SAFETY DATA SHEET