



## Safety Data Sheet

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

### Section 1 - Chemical Product and Company Identification

#### 1.1 Product Name: **Sodium Carbonate**

**Other Identification** Calcined soda, Carbonic acid, disodium salt Carbonic acid, sodium salt, Soda ash

**1.2 Distributor:** Vitro Chemicals, Fibers & Mining, LLC, 13481 Resource Drive, Laredo, TX 78045  
(800)258-1545

**1.3 Product Use:** Miscellaneous chemical additive

**1.4 Emergency Telephone:** Hazmat Service 800-373-7542 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:**

P280: Wear eye and face protection.

**RESPONSE STATEMENTS:**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and safe to do. Continue rinsing.  
P310: Immediately call the National POISON CENTER at **800-222-1222**.

**STORAGE STATEMENTS:**

None

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## DISPOSAL STATEMENTS:

P501: Dispose of content and/ container in accordance with local, regional, national and/or international regulations.

**2.5 Hazards not otherwise classified (HNOC) or not covered by GHS:** WARNING: May form 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.

## Section 3 - Composition / Information on Ingredients

### 3.1

Chemical Names	CAS #.	Concentration%	GHS Classification
Sodium Carbonate	497-19-8	100%	Eye Irrit. 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 be irritating to 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 the outcome following exposure may be more related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any 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.

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**5.3 Special hazards arising from the substance or mixture:** Emits Na<sub>2</sub>O 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, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. The 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 to the area or move container to a well-ventilated and secure area. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Before entry, especially into confined areas, check the atmosphere with a proper monitor.

### 6.2 Methods for Containment and Clean-up

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

**6.3 Other Information:** Report spills to local health, safety, and environmental authorities, as required.

## Section 7 - Handling and Storage

**7.1 Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not breathe dust minimize dust generation and accumulation. Do not get in eyes, on the 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 <sup>3</sup> TWA Respirable fraction	5 mg/m <sup>3</sup> 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 workweek 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.

### 8.5 Personal protective equipment

**8.5.1 Respiratory protection respirator** Use a type N100 as a backup to engineering controls.

**8.5.2 Hand protection**

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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

## 8.5.3 Eye protection

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

## 8.5.4 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.

## 8.9 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 Data Available

Specific Gravity (H<sub>2</sub>O=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

Melting point/freezing point: Not Available

Flash Point: Not Data Available

Boiling Point / Range: 3038°F  
(1670°C)

Lower Explosive Limits (vol % in air): N/A

Upper Explosive Limits (vol % in air): N/A

Viscosity: 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 reactive with moisture.

**10.3 Incompatible Materials:** 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 F<sub>2</sub>, Lithium, and 2, 4, 6-trinitrotoluene. Sodium begins to decompose at 400 C to evolve CO<sub>2</sub>.

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

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**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/kg

**11.1.1** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Oral Toxicity.

**11.1.2** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.

**11.1.3** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Inhalation Toxicity.

**11.2 Route of Entry:** Eye Contact.

**11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that this product will not be fatal if swallowed and enters airways.

**11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show that this product will not cause genetic defects.

**11.5 Skin Corrosion/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that this product will not cause skin irritation. However, repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that of this product will cause serious eye irritation.

**11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show that this product will not cause damage to fertility or the unborn child.

**11.8 Skin Sensitization** OECD Guideline Tests results found in the European Chemical Agency DataBase show that this product will not cause skin sensitivity.

**11.9 Respiratory Sensitization** OECD Guideline Tests results found in the European Chemical Agency DataBase show that this product will not cause respiratory sensitivity.

**11.10 Specific Target Organ Toxicity (Single Exposure):** OECD Guideline Tests results found in the European Chemical Agency DataBase show that this product will not cause damage to organs due to a single exposure.

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** OECD Guideline Tests results found in the European Chemical Agency DataBase show that this product will not cause damage to organs due to repeat exposures.

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**11.12 Signs and Symptoms:** Dust may produce irritation of eyes, mouth, and respiratory tract. The inhalation of the dust is characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**11.13 Carcinogenicity:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

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

## 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!** Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

## 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:** This product listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**Toxic Release Inventory (TRI):** This product is not subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372).

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**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 29 CFR 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 from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

**16.2 References:** CHEMpendium database of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

**16.3 SDS Preparation Date:** 05/22/2015

**SDS Revision Date:** 02/26/2016 Section 1 Distributor Name and address Section 9, 11

**SDS Revision Date:** 01/30/2019 Section 3

**SDS Revision Date:** 08/20/2019 Section 2,3,8,11,13,14,15,16

Prepared by SJC Compliance Education, Inc.  
16516 El Camino Real Suite 417  
Houston, TX 77062  
[steve@sicedu.org](mailto:steve@sicedu.org)

