



126 Shove Street - Fall River, MA 02724
orders - 1-800-2-BUY-DYE
technical support - 508-676-3838
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SAFETY DATA SHEET

Soda Ash

SOS #:
497-19-8
Revision
date:
2015-03-30
Format:
NA
Version 5

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Sodium Carbonate, Anhydrous

Other means of identification

Product Code(s) 497-19-8
Synonyms Sodium carbonate; Carbonic acid. disodium salt; Disodium carbonate
Chemical Family Alkali salt

Recommended use of the chemical and restrictions on use

Recommended Use: Glass manufacture, Personal care, Detergent, Water treatment chemical, Chemical processing

Restrictions on Use: See section 16 for more information

Supplier Address

PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724
508-676-3838

Emergency telephone number

Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning**Hazard Statements**

H319 – Causes serious eye irritation

**Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P28D - Wear eye protection/ face protection

Precautionary Statements - Response

P3D5 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice! attention

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family	Alkali salt.		
Formula	Na ₂ CO ₃)		
Chemical name	CAS-No	Weight%	
Sodium carbonate	497-19-8	100	

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off with warm water and soap. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
Inhalation	Remove person to fresh air. If signs/symptoms continue, get medical attention.

Ingestion	Never give anything by mouth to an unconscious person Get medical attention if symptoms occur
Most important symptoms and effects. both acute and delayed	Causes serious eye damage / eye irritation.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media	Use extinguishing agent suitable for type of surrounding fire.
Specific Hazards Arising from the Chemical	Non-combustible substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes
Hazardous Combustion Products	Fumes of sodium oxide. Carbon oxides (COx).
Explosion data	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Not sensitive.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust formation. Sweep up to prevent slipping hazard.
Other	For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Prevent large quantities of this product from contacting vegetation or waterways. Cover with plastic sheet to prevent spreading. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.
Methods for cleaning up	Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling	Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation. wear suitable respiratory equipment if release of airborne dust is expected.
Storage	Store in original container. Keep in properly labeled containers. Keep container tightly closed.
Incompatible products	Aluminium. Powdered aluminum. Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies Local nuisance dust standards apply

Appropriate engineering controls

Engineering measures Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection Wear suitable protective clothing. Protective shoes or boots.

Hand Protection Nitrile rubber, Neoprene gloves

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

General information These recommendations apply to the product as supplied

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance	Granules
Physical State	Solid
Color	White
Odor	odorless
Odor threshold	Not applicable
pH	11.4 (1% solution in water)
Melting point/freezing point	851C
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Density	2.52
Specific gravity	212.5 g/L @ 20C
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	400C
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	Not explosive
Explosive properties	Non-oxidizing
Oxidizing properties	105.99
Molecular weight	0.86 - 1.12 g/cm3 (Dense grades) 0.70 - 0.90 g/cm3 (Light Grades)
Bulk density	0 bar m/s
Kst	

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions

Chemical Stability Stable. Decomposes by reaction with strong acid.

Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Aluminium. Powdered aluminum. Acids.
Hazardous Decomposition Products	Sodium oxides. Carbon oxides (COx).

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	2.800 mg/kg (rat)
LD50 Dermal	> 2.000 mg/kg (rabbit)
LC50 Inhalation	2.3 mg/L (rat)
Eye Contact	Irritating to eyes.
Skin Contact	Non-irritating
Sensitization	Patch test on human volunteers did not demonstrate sensitization properties.

Information on toxicological effects

Symptoms	No information available.
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Delayed and Immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No known effect.
Mutagenicity	No information available
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sodium carbonate (497-19-8)				
Active ingredients)	Duration	Species	Value	Units
Sodium Carbonate	196 h LC50	Bluegill sunfish	300	mg/L
Sodium Carbonate	148 h EC50	Ceriodaphnia	1200-227	mg/L

Persistence and degradability	Biodegradability does not pertain to inorganic substances.
Bioaccumulation	Does not bioaccumulate.
Mobility	Dissociates into ions.
Other Adverse Effects	None known.

13. DISPOSAL CONSIDERATIONS

Soda Ash

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Waste disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261) Dispose of in accordance with local regulations.

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

NOT REGULATED

TDG

NOT REGULATED

ICAO/IATA

NOT REGULATED

IMDG/IMO

NOT REGULATED

15. REGULATORY INFORMATION

u.s. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium carbonate 497-19-8 (100)	X	X	X	X	X	X	X	X

Sodium Carbonate, Anhydrous

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Mexico - Grade

Moderate risk, Grade 2

WHMIS Hazard Class

D2B • Toxic materials. Eye irritation
Class E : Corrosive to aluminum. Not corrosive to animal skin or carbon steel.



D2B Toxic



E Corrosive

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 2	Flammability 0	Physical hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend Severe = 4 Serious = 3 Moderate = 2 Slight = 1 Minimal = 0

Product Certifications

This product meets the chemical testing specifications defined in the Food Chemicals Codex (FCC). 8th Edition.

This product is certified to NSF/ANSI Standard 60 for use in drinking water treatment at the specified maximum use limit. The MUL (maximum use level) for sodium carbonate, anhydrous is 150 mg/L under NSF/ANSI Standard 60.

Revision date: 2015-03-30
Revision note Minor change

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End of Safety Data Sheet