

DMSO STORE™

Safety Data Sheet

Version 5.50

Issue date: 2-1-2023

1. IDENTIFICATION

Product Identifier

Product name

Sodium Carbonate (Soda Ash)

Product code

Recommended use of chemical and restrictions on use:

Recommended use

Material for use in industrial and commercial formulation applications such as glass industry, detergent, chemical industry, metallurgy, and purifying flue gas.

Details of the supplier of the safety data sheet

Supplier address

DMSO Store Inc.
3580 SW 30th Ave
Fort Lauderdale FL
33312

Emergency telephone number

Company number

954-616-5699

Emergency telephone (24 hr.)

772-834-3947

2. HAZARDS IDENTIFICATION

Classification

Product definition

Substance

Classification of Substance

29 CFR 1910 (OSHA HCS)
Eye irritation, Category 2A [H319]

Hazard pictograms



Signal word

Warning

Hazard Statements

H319 Causes serious eye Irritation

Precautionary statements

Prevention

-P264

Wash skin thoroughly after handling

-P280

Wear eye protection

Response

-P305+P352+P338

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

-P337+ P313

If eye irritation persists: Get medical attention

Other hazards that do not require classification

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Sodium Carbonate

CAS No. 497-19-8

% wt. 100

Mixture

Not applicable

4. FIRST AID MEASURES

Eye Contact

Do not rub eyes. Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical attention.

Skin Contact

If skin irritation does occur, wash with soap and flush with plenty of water.

Inhalation

May cause respiratory irritation. Remove to fresh air.

Ingestion

If swallowed get medical attention. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person

5. FIRE FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Use extinguishing media suitable for the surrounding fire.
<u>Unsuitable Extinguishing media</u>	No limitations on extinguishing agents for this material.
<u>Specific hazards arising from the chemical</u>	Product not combustible
<u>Products of combustion</u>	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures.

Personal precautions	Use personal protection recommended in Section 8.
Environmental precautions	Prevent entry into waterways or sewers.

Methods and materials for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Do not allow runoff.
Methods for clean-up	Contain spill. Minimize dust generation during cleanup. Carefully collect material and place in proper container for disposal.

7. HANDLING AND STORAGE

<u>Advise on safe handling</u>	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in section 8. Avoid dust generation and accumulation during storage and handling.
<u>Incompatible Materials</u>	Strong Oxidizers, strong acids, aluminum, metals, fluorine
<u>Storage</u>	Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep container tight

8. EXPOSURE CONTROL/PERSONAL PROTECTION

<u>Component</u>	Sodium Carbonate TWA 10 mg/m ³
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Appropriate engineering controls

Engineering controls	Ensure adequate ventilation, especially in confined areas. Eyewash stations
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields
Skin and body protection	Wear protective clothing and gloves when handling material.
Respiratory Protection	Wear a mask if dust generation is problematic when using this product.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid
Appearance	White solid
Color	White
Property values pH	12 at 25° C (106 g/l)
Melting Point/ Freezing point	851° C
Flash Point	188° F Closed Cup
Upper Flammability limits	N/A
Lower Flammability limits	N/A
Vapor Pressure	N/A
Boiling Point Range	1,600° C
Relative Density	2.53
Water Solubility	Partial 220 g/l 20° C
Odor	Odorless
VOC	Not available

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not reactive under normal conditions
<u>Chemical Stability</u>	Stable under recommended storage conditions
<u>Hazardous Reactions</u>	None under normal conditions
<u>Conditions to Avoid</u>	Extreme heat, Incompatible materials, moisture
<u>Incompatible materials</u>	Strong Oxidizers, strong acids, aluminum, metals, fluorine
<u>Hazardous Decomposition Products</u>	Thermal Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause eye irritation. Signs and symptoms may include redness, swelling, tearing, and blurry vision.
Skin Contact	May cause skin irritation. Signs and symptoms may include localized redness, swelling and itching.
Inhalation	May cause respiratory irritation in high air concentrations.
Ingestion	May cause gastrointestinal irritation. Symptoms may include stomach upset, nausea, vomiting and diarrhea.

Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate	2,800 mg/kg rat	>2,000 mg/kg rat	2,300 mg/m rat

Information on physical, chemical, and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms
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Delayed and immediate effects

Carcinogenicity	This product does not contain any carcinogenic or potential carcinogens as listed by OSHA, IARC
Mutagenicity	No genotoxic activity was observed

12. ECOLOGICAL INFORMATION

<u>Chemical name</u>	<u>Algae/Aquatic Plants</u>	<u>Fish</u>	<u>Aquatic invertebrates</u>
Soda Ash	ErC ₅₀ -Pseudoirchneriella subcapitata (Green algae) 72h: 700 mg/l	LC ₅₀ -Lepomis Macrochirus (Bluegill sunfish) 96 h: 300 mh/l	LC ₅₀ -Daphnia magna (water flea) 48h: 265 mg/l

<u>Persistence/ Degradability</u>	This substance is not biodegradable
<u>Bioaccumulation</u>	This material has a low potential for bioaccumulation.
<u>Mobility</u>	Highly mobile in soil
<u>Other adverse Effects</u>	Do not let product enter waterways

13. DISPOSAL CONSIDERATIONS

Disposal Instructions

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Material and containers should be disposed of in a safe way.

14. TRANSPORTATION INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

Chemical Inventories

TSCA

All Ingredients are listed in compliance with the chemical notification requirements of TSCA.

US Federal Regulations

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA 313

Not Listed

CWA (Clean Water Act)

This product does not contain any substance regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and (40 CFR 122.42).

US State Regulations Not determined.

California Proposition 65

This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Massachusetts

US Massachusetts Right to Know law, no components are listed.

New Jersey

US New Jersey Right to Know Act. No Components are listed.

Pennsylvania

US Pennsylvania Worker and Community Right to Know law, no components listed.

16. OTHER INFORMATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
2	0	0	None determined

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
2	0	0	C= Safety glasses, gloves and an apron

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as guidance for safe handling, use, processing, storage, transportation, and disposal. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

End of Safety Data Report

