

Safety Data Sheet

Part Number 326228

Section 1. Substance Identity and Company Contact Information

Product Name	Sodium Carbonate Standard	Product Part Number(s)	169294 and 136962
Trade Name	Sodium Carbonate	Unit Size	1,000 mg/L, 10 mL
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word

Warning

Hazard Statement(s)

Causes serious eye irritation. Toxic to fish.

Precautionary Statement(s)

Wash skin thoroughly after handling. Wear eye protection/ face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Target Organ(s)

Eyes and skin

Potential Health Effects

Eye:	May cause irritation.
Skin:	May cause irritation.
Ingestion:	May be harmful if swallowed.
Inhalation:	May irritate mucous membranes and upper respiratory tract.

Chronic Effects/ Carcinogenicity

IARC:	No data available
NTP:	No data available
OSHA:	No data available

Teratology (Birth Defects) Information

Unknown

Reproductive Information

Unknown

NFPA Ratings

Health:	2
Flammability:	0
Reactivity:	0

HMIS Rating

Health:	2
Flammability:	0
Reactivity:	0
Protective Equipment:	B (protective eye wear and gloves)

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Water	7732-18-5	99.2091	> 90 mL/kg oral rat	No data available
Sodium carbonate for TIC	497-19-8	.4412	4No data available	No data available

Section 4. First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available.

Section 5. Fire-fighting Measures

General Information	No data available
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising from the Substance or mixture	Carbon oxides, Sodium oxides
Advice for Firefighters	Wear self-contained breathing apparatus for fire fighting, if necessary.
Flash Point	None
Autoignition Temperature	No data available
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
Environmental Precautions	Do not let product enter drains.
Methods and Materials for Containment and Cleaning	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage, Including any Incompatibilities	Keep container tightly closed in a dry and well-ventilated place.
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
Eye/Face Protection	Face shield and safety glasses
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator. If the respirator is the only means of protection, use a full-face supplied air respirator.
Control of Environmental Exposure	Prevent further leakage to spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9. Physical and Chemical Properties

Appearance	Form: Powder; Color: White
Odor	No data available
Odor Threshold	No data available
pH	12
Melting Point/Freezing Point	851 °C (1,564 °F)
Initial Boiling Point and Boiling Range	1,600 °C (2,912 °F)
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	< 1 hPa (< 1 mmHg) at 20 °C (68 °F)
Vapor Density	No data available
Relative Density	2.532 g/cm ³
Water Solubility	217 g/l at 20 °C (68 °F) - completely soluble
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	400 °C (752 °F) -
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Exposure to moisture
Incompatible Materials	Strong acids

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Irritant effect
	<i>On the eye:</i>	Irritant effect
	<i>Inhalation:</i>	No data available
	<i>Ingestion:</i>	No data available
Respiratory or Skin Sensitization	No sensitizing effects known	
Signs and Symptoms of Overexposure	Product can cause eye irritation	
Toxicity Data	<i>Oral rat LD50</i>	4,090 mg/kg

Section 12. Ecological Information

General Notes	Toxicity to fish LC50 - <i>Lepomis macrochirus</i> (Bluegill) - 300 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates - EC50 - <i>Daphnia magna</i> (Water flea) - 265 mg/l - 48 h

Section 13. Disposal Considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging	Dispose of as unused product.

Section 14. Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15. Regulatory Information

OSHA Status	No data available	
TSCA Status	No data available	
CERCLA Reportable Quantity	No data available	
SARA Title III	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
RCRA Status	No	
California Proposition 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	
Chemical Weapons Convention	No	
TSCA 12 (b)	No data available	
SARA 311/312	Acute:	No data available
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
Australian Hazchem Code	None allocated	
Poison Schedule	None allocated	
WHMIS	This SDS has been prepared according the hazard criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.	

Section 16. Other Information

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