



SAFETY DATA SHEET

Product name Soda Ash

Revision date 5-21-15

Section 1 Identification

Product ID: Soda Ash

Chemical Name: Sodium Carbonate, Anhydrous
Synonyms: Sodium carbonate; Carbonic acid, disodium salt; Disodium carbonate
Chemical Formula: Na_2CO_3
CAS Number: 497-19-8
Product Use: To Increase pH

Supplier: Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076

Emergency Telephone# Chemtrec: 1-800-424-9300

Section 2 Hazards identification

OSHA Regulatory Status

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

GHS CLASSIFICATION: Serious eye damage/eye irritation- Category 2

GHS SIGNAL WORD:

WARNING



HAZARD PICTOGRAMS:

HAZARD STATEMENT(S):

H319 – Causes serious eye irritation

PRECAUTIONARY STATEMENT(S)- Prevention:

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

P280 - Wear eye protection/ face protection

PRECAUTIONARY STATEMENT(S)- Response:

P305 + 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

Section 3 Composition / Information on ingredients

Ingredients

Chemical Name	CAS-No	Weight %
Sodium carbonate	497-19-8	100

Formula Na_2CO_3
Chemical Family Alkali salt



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Section 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

Section 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

Section 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.

Section 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 containers tightly closed.

Incompatible products Aluminum. Powdered aluminum. Acids



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Section 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

Section 9 Physical and chemical properties

Appearance	Granules
Color	White
Physical state	Solid
Odor	odorless
Odor Threshold	not applicable
pH	11.4 (as aqueous solution)
Melting Point/Range	851 °C
Freezing point	No information available
Boiling Point/Range	not applicable
Flash Point	Not combustible
Evaporation rate	Not applicable
Flammable (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	No information available
Specific gravity	2.52
Water solubility	212.5 g/L @ 20 °C
Solubility in other solvents	No information available
Partition coefficient:	Not applicable
Autoignition Temperature	Not combustible
Decomposition Temperature	400 °C



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Section 9 Physical and chemical properties (Continued)

Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	Not explosive
Oxidizing properties	Non-oxidizing
Molecular Weight	105.99
Bulk density	0.86 - 1.12 g/cm ³ (Dense grades) 0.70 - 0.90 g/cm ³ (Light Grades)
Kst	0 bar m/s

Section 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 (CO _x).

Section 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.

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.



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Section 12 Ecological information

Ecotoxicity

Sodium carbonate (497-19-8)				
Active Ingredient(s)	Duration	Species	Value	Units
Sodium Carbonate	96 h LC50	Bluegill sunfish	300	mg/L
Sodium Carbonate	48 h EC50	Ceriodaphnia	200-227	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

Section 13 Disposal considerations

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.

Section 14 Transport information

DOT Not regulated

TDG Not regulated

ICAO/IATA Not regulated

IMDG/IMO Not regulated

Section 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)



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Section 15 Regulatory information (Continued)

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 CFR355). 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

International Regulations

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.

Section 16 Other information

NFPA	Health Hazard 2	Flammability 0	Stability 0	Special Hazards -
HMIS	Health Hazard 2	Flammability 0	Stability 0	Special Protection X

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

DATE OF PREPARATION

5-21-15

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