

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

Product Name: Soda Ash (Lite)

Chemical Name: Sodium Carbonate, Anhydrous

C.A.S. Registry #: 497-19-8

DOT Proper Shipping Name: Sodium Carbonate

DOT Hazard Class: NA

DOT Identification #: NA

Manufacture: FMC Wyoming Corp. 1735 Market St. Philadelphia, Pa. 19103

Emergency Phone Number: CHEMTREC.....(800) 424-9300

Medical.....(303) 595-9048 call collect

Plant/Other..... (307) 875-7632 call collect

Distributor: Sentry Industries 5687 NW 36th Ave. Miami Fl. 33142

Telephone: (800) 227-2047 (305) 638-0800 (954) 527-4000

SECTION II INGREDIENTS & HAZARDS

Ingredient (s):

Sodium Carbonate	99.8%
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Hazardous Mixtures of other Liquids, Solids or Gas: White granular solid. Product is non-combustible. Reacts with acids to release carbon dioxide and heat. Irritating to the eyes. Continuous contact may irritate skin.

SECTION III PHYSICAL DATA

Physical State:	Solid
Appearance and Odor:	White, solid granular, odorless.
Spec Gravity:	2.509
Boiling Point:	Decomposes
Freezing Point:	851°C (1564°F)
pH:	As is: NA 1% solution: 11.4
Vapor Pressure (mm Hg):	NA
Vapor Density:	NA
Solubility in Water	33.2 % Max.
Density (G/ML)	.70-.90
Flash Point	Non-combustible

SECTION IV FIRE AND EXPLOSION HAZARD

Flash Point: NA

Flammable Limits: NA

National Fire Rating System (NFPA): BLUE (HEALTH): NA RED (FIRE): NA YELLOW (REACTIVE): NA OTHER HAZARDS (WHITE): NA

Hazard Material Identification System (HMIS): BLUE (HEALTH): NA RED (FIRE): NA YELLOW (REACTIVE): NA OTHER HAZARDS (WHITE): NA

Extinguishing Media: Water, water fog, carbon dioxide(CO₂)

Special Fire Fighting Procedures: Evacuate area of unprotected personnel. Wear full protective clothing and self contained breathing apparatus.

Unusual Fire & Explosion Hazards: Heated to decomposition, it emits fumes of sodium oxide.

Additional Information: Wear self-contained breathing apparatus and full protective equipment.

Evacuate area of unprotected personnel. Isolate the hazard area and deny unnecessary entry.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value: OSHA PEL & ACGIH TLV: NA

Toxic Limits: - Ingestion: LD50 = 4090 MG/KG (rat) (RTECS 1985-6)

Inhalation: LC50 = 2.3 MG/L (rat, 2 hr) Environ

Effects of Overexposure: May cause severe irritation of the eyes, including corneal opacities.

Dust and mists are irritating to the skin, mucous membranes and the upper respiratory tract.

Eye Contact: Will irritate eyes. Severe irritant (Rabbit) Toxicology 23:281-291 (1982)

Skin Contact: Non-irritating to intact skin. Minor irritation may occur on abraded skin. Non-sensitizing (humans, 0.25% sodium carbonate)

Inhalation: Inhalation of product may irritate respiratory tract

Ingestion: May irritate gastrointestinal tract.

Chronic Effects from Overexposure: May cause inflammation of the mucous membranes in the respiratory tract and of the skin.

Emergency and First Aid Procedures:

Eye Contact: Irrigate with water for at least 15 minutes, including under eyelids. Get medical attention.

Skin Contact: Flush affected area with large amounts of soap and water. If irritation occurs and persists obtain medical attention.

Inhalation: Remove to fresh air. If systems persist, obtain medical attention.

Ingestion: If conscious, rinse mouth with water. Dilute by giving 2 -3 glasses of water. DO NOT induce vomiting. Immediately obtain medical help.

SECTION VI REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): Avoid materials like aluminum powder, acids, fluorine, molten lithium.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Contact with acids unless under controlled conditions.

Incompatibility: Reacts with acids with release of large volumes of carbon dioxide gas and heat.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is Released or Spilled: Sweep or shovel up (salvage) and return to the process if contamination does not present a problem. Wash area with large amounts of water.

Waste Disposal Methods: Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.

Additional Information: Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respirator Protection: If dusty or misty conditions prevail, uses dust or mist respirators approved by NIOSH.

Ventilation: Local exhaust ventilation - personnel should not be exposed to irritating effects of the dust.

Eye Protection: If exposed to dust or mist or solution, wear chemical goggles. Do not wear contact lenses. Eyes must be protected if dissolving material in water. Eye wash stations should be located in immediate area.

Other Protective Equipment: Wear full work clothing, including long sleeved shirt and trousers for routine product-handling use. Cotton gloves are usually adequate for dry product. For solutions, wear impervious gloves and apron. If contact is repeated or prolonged, wear full impervious clothing.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storage: Store in closed containers. Store in a cool dry area away from acids. Protect from physical damage. Utilize local exhaust if there is a dusty or misty conditions exist.

The data in this Material Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Sentry Industries assume legal responsibility. This information is provided solely for your consideration, investigation, and verification.

For additional information, contact our technical service department.