

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

Product Name: LIGHT SODA ASH  
 Chemical Name: Sodium Carbonate Anhydrous  
 Synonyms: Soda Ash  
 Chemical Family: Alkali  
 Formula: Na2CO3  
 Manufacturer: Manley-Regan Chemicals / Div. E+E (US) Inc.  
 Address: 532 East Emaus Street  
 Middletown, Pa. 17057  
 Phone: (717)944-7471

SECTION II INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV-SOURCE
Sodium Carbonate	497-19-8	99.8	Not Established

SECTION III PHYSICAL DATA

Boiling Point/Melting Point @ 760 mm Hg: 851F /Decomposes  
 Vapor Pressure mm Hg @ 20C: NIL  
 Specific Gravity (water = 1): 2.509  
 PH: (As is) : Not Applicable (1% Solution): 11.4  
 Solubility In Water: 33.2% Maximum  
 Appearance: White Granular Solid  
 Odor: Odorless

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: NONCOMBUSTIBLE  
 Autoignition Temperature: Not Applicable  
 Flammability Limits In Air: None LEL: N/A UEL: N/A

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SECTION IV CONTINUED

Extinguishing Medium: Use water fog, alcohol foam, CO2 or dry chemical extinguishing media.

NFPA Rating: 1/0/0

Special Firefighting Procedures: None.

Unusual Fire And Explosion Hazards: Reacts with acids with release of large volumes of carbon dioxide gas and heat.

EMERGENCY TELEPHONE NUMBERS

CHEMTREC 1-800-424-9300 24 hours a day/all year around  
MANLEY-REGAN CHEMICALS (call collect) (717)944-7471

SECTION V HEALTH DATA

Toxicological Test Data:

Result:

Sodium Carbonate  
Rat, Oral LD50  
Human, No significant Hazard.

5.6 g/kg

Effects Of Overexposure

EYE CONTACT: Corneal opacities and irritation occurred in rabbit eye tests.

SKIN CONTACT: Non-irritating to intact skin. Minor irritation may occur on abraded skin.

SKIN ABSORBTION: No significant hazard.

INHALATION: No data available to indicate that airborne dust is a health hazard.

INGESTION: No significant hazard.

NSF INFORMATION

NSF Maximum drinking water use concentration - 100 mg/l

SECTION V CONTINUED

**First Aid Procedures:**

Eyes--Flush eyes with flowing water for at least 15 minutes. Get medical attention.

Skin--Wash affected areas with soap and water. If irritation develops, consult physician.

Ingestion--If swallowed, drink water to dilute. Never give fluids if the victim is unconscious or having convulsions. Obtain medical advice via phone.

Inhalation--If inhaled, remove from exposure. If discomfort occurs and persists, obtain medical attention.

SECTION VI REACTIVITY DATA

Stability: Stable

Conditions To Avoid: Contact with acids, except under controlled conditions.

Chemical Incompatibility: Reacts with acids.

Hazardous Decomposition Products: None

Hazardous Polymerization: Does Not Occur.

Conditions To Avoid: Reacts with acids.

Corrosive To Metal: No

Oxidizer: No

SECTION VII SPECIAL PROTECTION

**Respiratory Protection:**

Wear NIOSH/MSHA approved dust respirator, if nuisance dust tlv of 10 mg/cubic meter exceeded or discomfort is present.

**Eye Protection:**

Use chemical goggles.

**Protective Clothing:**

Use rubber gloves, apron and shoes. Remove contaminated clothing immediately and wash before reuse.

**Ventilation:**

Local exhaust recommended where excessive dust may be released into work environment.

SECTION VIII ENVIRONMENTAL DATA

Environmental Toxicity Data:

Aquatic toxicity rating: TLM, 24 hrs. = 385mg/l

Spill And Leak Procedures:

Sweep up as much as possible for salvage or disposal.  
Wash away residue with water.

Waste Disposal Method:

The preferred method of disposal is in a secure chemical landfill in accordance with all local, state, and federal environmental regulations.

Container Disposal:

Empty containers may be incinerated or discarded as general trash.

SECTION IX SHIPPING DATA

D.O.T. Proper Shipping Name: SODIUM CARBONATE  
D.O.T. Hazard Classification: None  
D.O.T. Labels Required: None  
D.O.T. Placards Required: None  
UN/NA Number Required: None

SECTION X SARA TITLE III INFORMATION

This product does not contain any substances subject to the Threshold Planning Quantity ( TPQ ) requirements of section 313 of the act.

DATE PREPARED: 9/16/94  
PREPARED BY: J. KRAMER

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