

# NATRIUM PRODUCTS INC.

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## MATERIAL SAFETY DATA SHEET

PH UP, PH PLUS  
PH INCREASER  
SODA ASH

SODIUM CARBONATE, ANHYDROUS, SODA ASH, DENSE

ISSUE DATE: December 13, 2005

SUPERSEDES: September 17, 2001

1. **INGREDIENTS:**

Sodium Carbonate

CAS #

497-19-8

FORMULA

Na<sub>2</sub>CO<sub>3</sub>

PERCENT

100

2. **HAZARD IDENTIFICATION:**

Key: 4 Severe  
3 Serious  
2 Moderate  
1 Slight  
0 Minimal

**HMIS RATING**

Health 2  
Flammability 0  
Reactivity 0  
Protection J

**NFPA RATING**

Health 2  
Flammability 0  
Reactivity 0  
Special None

HMIS "J" Rating = Safety goggles, gloves, dust & vapor respirator

3. **FIRST AID:**

**EYES:** Irrigate with flowing water immediately and continuously for 15 minutes, while keeping the eye lids open. Consult a physician or ophthalmologist.

**SKIN:** Wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

**INGESTION:** Do not induce vomiting. If patient is conscious, give them 1-2 glasses of water. Seek medical attention immediately if overdose is taken.

**INHALATION:** Remove to fresh air. Seek medical attention if discomfort persists.

**NOTE TO PHYSICIAN:** Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

4. **FIRE AND EXPLOSION HAZARD DATA:**

**FLASH POINT:** Non-combustible

**FLAMMABLE LIMITS:** Not Applicable

**EXTINGUISHING MEDIA:** Non-combustible

**FIRE & EXPLOSION HAZARDS:** None

**FIRE FIGHTING EQUIPMENT:** Wear full protective clothing and self contained breathing apparatus.

5. **ACCIDENTAL RELEASE MEASURES**

Sweep up into clean dry containers for salvage or disposal. Dispose in accordance with applicable federal, state and local laws and regulations.

6. **HANDLING & STORAGE**

Avoid prolonged and repeated contact with the skin or eyes. Use approved respiratory protection when dust is a problem.

Store in a cool, dry place away from any incompatible materials.

7. **EXPOSURE CONTROL/PERSONAL PROTECTION**

Provide general and/or local exhaust ventilation to control airborne dust. Personal protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate equipment should be selected for the particular situation encountered. Some recommendations for dusty conditions include;

Respiratory: NIOSH approved dust respirator

Eyes & Face: Safety glasses and/or goggles

Miscellaneous: Suitable clothing to prevent prolonged skin contact

## Sodium Carbonate

**8. PHYSICAL DATA:**

<b>APPEARANCE:</b>	White granules, solid	<b>ODOR:</b>	Odorless
<b>SPECIFIC GRAVITY:</b>	2.53 @ 20°C	<b>pH ( 1% solution)</b>	11.3
<b>MELTING POINT:</b>	851°C	<b>BOILING POINT:</b>	Not Applicable
<b>VAP PRESS:</b>	Not Applicable	<b>VAP DENSITY:</b>	Not Applicable
<b>SOL. IN WATER:</b>	33% maximum	<b>MOLECULAR WGT.</b>	105.99

**9. STABILITY & REACTIVITY:**

**STABILITY:** Stable under normal handling and storage conditions.

**INCOMPATIBILITY:** Reacts with acids to release carbon dioxide

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide is evolved at very high temperatures or when mixed with acids.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**10. TOXICOLOGICAL INFORMATION:**

**Eye effects:** Severe irritant

**Skin effects:** Non-irritating to intact skin. Minor irritation to abraded skin.

**Acute effects from overexposure:** May cause severe irritation to the eyes. Dusts and mists may be irritating to the skin, mucous membranes and upper respiratory tract.

**Chronic effects from overexposure:** This product does not contain any substances considered by OSHA, NTP, IARC, or ACGIH to be "probable" or "suspected" human carcinogens.

**11. DISPOSAL CONSIDERATIONS:**

Dispose in accordance with pertinent federal, state and local regulations.

**12. TRANSPORTATION INFORMATION:**

Not regulated by the Department of Transportation

**13. REGULATORY INFORMATION:**

S.A.R.A. TITLE III

SECTION 302 (40 CFR 355) Extremely Hazardous Substances - Not Listed

SECTION 311 (40 CFR 370) Hazard Category - Immediate (Acute) Health Hazard

SECTION 312 (40 CFR 370) Threshold Planning Quantity - 10,000 lbs.

SECTION 313 (40 CFR 372) Reportable Ingredients- Not Listed

CERCLA (40 CFR 302.4) - Not applicable

TSCA (40 CFR 710) - Listed

EPA HAZARDOUS WASTE- NO

State - This product does not contain any components that are regulated under California Proposition 65.

**14. REVISION SUMMARY**

December 13, 2005 - Added regulatory information. Replaces MSDS dated September 17, 2001

**15. ADDITIONAL INFORMATION:**

The information herein is given in good faith, however, no warranty, expressed or implied, is made.