



**THATCHER COMPANY MATERIAL SAFETY DATA SHEET**  
**PRODUCT: SODIUM CARBONATE**  
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MSDS Date: March 13, 2006  
Emergency Contact: 1-800-424-9300

**SECTION I**

**PRODUCT NAME:** Sodium Carbonate  
**TRADE NAME/SYNONYM:** Soda Ash  
**FORMULA:** Na<sub>2</sub>CO<sub>3</sub>  
**CHEMICAL FAMILY:** Alkali

**DOT SHIPPING INFORMATION:** Not DOT regulated

**SECTION II - HAZARDOUS INGREDIENTS**

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Sodium Carbonate Particles Not Otherwise Regulated (PNOR) containing no asbestos and < 1% crystalline silica.	497-19-8	-----	PEL = 15 mg/cu m (TWA) Total dust TLV = 10 mg/cu m (TWA) Inhalable PEL = 5 mg/cu m Respirable dust TLV = 3 mg/cu m Respirable

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

**SECTION III - PHYSICAL DATA**

**BOILING POINT:** decomposes

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 2.509

**VAPOR PRESSURE (mm Hg):** N/A

**% VOLATILE, BY VOLUME:** N/A

**VAPOR DENSITY (air = 1):** N/A

**EVAPORATION RATE:** N/A

**SOLUBILITY IN WATER:** 33.2 max

**APPEARANCE AND ODOR:** White granular solid. Odorless.

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASH POINT:** Noncombustible

**FLAMMABLE LIMITS:** Lel: N/A Uel: N/A

**EXTINGUISHING MEDIA:**  
All

**SPECIAL FIRE-FIGHTING PROCEDURES:**  
None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
None



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**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:**  
Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
None

**SECTION VI - HEALTH HAZARD DATA**

**NFPA HAZARDOUS RATING:** Health = 2 Flammability = 0 Reactivity = 0  
**Carcinogenic Listing:**

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section.

**ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:**

**Contact:** Repeated contact may cause redness and dry, cracked skin.  
Dust may cause severe irritation to eyes.

**Inhalation:** Dust may cause slight irritation to the nose and throat.

**Ingestion:** May cause burns of the mouth, throat esophagus and stomach. May cause nausea, vomiting, and diarrhea if large quantities are ingested.

**STATEMENT OF PRACTICAL TREATMENT:**

**Contact:** Wash exposed area thoroughly with soap and water. For eyes, flush with cool water for at least 15 minutes. Consult a physician if irritation persists.

**Inhalation:** Remove to fresh air. Treat symptomatically.

**Ingestion:** If conscious, give large amounts of water to dilute. **Do not** induce vomiting. Consult a physician.

**SECTION VII - SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE PRECAUTIONS:**

Avoid contact with eyes and skin. Avoid breathing dust. Use with adequate ventilation. Keep container closed when not in use. Wash thoroughly after handling.

**STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:**

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



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**WASTE DISPOSAL METHOD:**

If material cannot be salvaged, the preferred method of disposal is in a secure chemical landfill in accordance with all local, state and federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:**

In dusting conditions, use NIOSH/MSHA approved dust mask (respirator) if concentration exceeds suggested exposure limits.

**VENTILATION:**

Maintain adequate ventilation. Use local exhaust as needed to maintain airborne exposure below control limits.

**EYE PROTECTION:**

Chemical safety goggles.

**SKIN PROTECTION:**

Clothing with long sleeves. Impervious gloves should also be worn.

**OTHER PROTECTIVE EQUIPMENT:**

A safety shower and eye wash station should be available in work area.

**ACGIH** = American Conference of Governmental Industrial Hygienists

**CL** = Ceiling Level

**IARC** = International Agency for Research on Cancer: Monographs

**OSHA** = Occupational Safety and Health Administration

**N/A** = Not Applicable

**NTP** = National Toxicology Program: Annual Report on Carcinogens

**PEL** = Permissible Exposure Level (OSHA)

**TLV** = Threshold Limit Value (ACGIH)

**TWA** = Time Weighted Average over 8 Hours

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.