



PRODUCT SAFETY DATA SHEET

SODA ASH

A. GENERAL INFORMATION

TRADE NAME (COMMON NAME) Soda Ash		<input checked="" type="checkbox"/> C.A.S. NO.	<input type="checkbox"/> GENERAL PRODUCT CODE # 497-19-8		
CHEMICAL NAME AND/OR SYNONYM Sodium Carbonate					
FORMULA Na ₂ CO ₃		MOLECULAR WEIGHT 105.99			
ADDRESS (No., STREET, CITY, STATE AND ZIP CODE) GENERAL CHEMICAL CORPORATION 90 East Halsey Road Parsippany, N.J. 07054					
CONTACT Manager of Product Safety		PHONE NUMBER (973) 515-1840	<table border="1"> <tr> <td>LAST ISSUE DATE March, 1993</td> <td>CURRENT ISSUE DATE August, 1996</td> </tr> </table>	LAST ISSUE DATE March, 1993	CURRENT ISSUE DATE August, 1996
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B. FIRST AID MEASURES

EMERGENCY PHONE NUMBER (800) 631-8050	
<p>SKIN: Wash with plenty of water.</p> <p>EYES: Flush with plenty of water for at least 15 minutes and get medical attention.</p> <p>INGESTION: Drink large quantities of water to dilute the material. Do not induce vomiting.</p> <p>INHALATION: Remove to fresh air.</p> <p>Get medical attention for irritation, ingestion or discomfort from inhalation.</p>	

C. HAZARDS INFORMATION

HEALTH

INHALATION Inhalation of product dust may irritate nose, throat and lungs.	
INGESTION Although low in toxicity, ingestion can be harmful - consult a physician. May irritate mouth, esophagus, stomach, etc. LD ₅₀ (rat): 2.8 gm/kg. See reference (a).	
SKIN May cause skin irritation from prolonged contact.	
EYES May irritate or burn eyes.	
PERMISSIBLE CONCENTRATION: AIR (SEE SECTION J) No TLV established.	BIOLOGICAL None.
UNUSUAL CHRONIC TOXICITY None known.	

C. HAZARDS (Cont.)**FIRE AND EXPLOSION**

FLASH POINT Not flammable <input type="checkbox"/> OPEN CUP <input type="checkbox"/> CLOSED CUP	AUTO IGNITION TEMPERATURE NA	FLAMMABLE LIMITS IN AIR (% BY VOL.) LOWER - NA UPPER - NA
UNUSUAL FIRE AND EXPLOSION HAZARDS None.		

D. PRECAUTIONS/PROCEDURES

FIRE EXTINGUISHING AGENTS RECOMMENDED NA
FIRE EXTINGUISHING AGENTS TO AVOID NA
SPECIAL FIRE FIGHTING PRECAUTIONS NA
VENTILATION Local exhaust if dusty condition prevails.
NORMAL HANDLING Avoid eye contact or prolonged skin contact. Avoid breathing dust. When dissolving, add to water cautiously and with stirring; solutions can get hot.
STORAGE Store in a cool, dry area away from acids. Prolonged storage may cause product to cake from atmospheric moisture.
SPILL OR LEAK (ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT - SECTION E) Shovel up dry chemical into an empty container with a cover. Flush residue with plenty of water. (See Section I for disposal methods).
SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS Avoid simultaneous exposure to soda ash and lime dust. In the presence of moisture the two materials combine to form caustic soda (NaOH), which may cause burns.
SIGNAL WORD - WARNING!

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION Where required, use a respirator approved by NIOSH for product dusts.
EYES AND FACE Wear hard hat (or other head covering) and chemical safety goggles. Do not wear contact lenses.
HANDS, ARMS, AND BODY Wear long-sleeve shirt and trousers, and gloves for routine product use. Cotton gloves are sufficient for dry product; wear impervious gloves when handling solutions.
OTHER CLOTHING AND EQUIPMENT Eyewash is recommended.

F. PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS): <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> GAS <input type="checkbox"/> _____		APPEARANCE AND ODOR White powder. Odorless.	
BOILING POINT °C	SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR DENSITY (AIR = 1)	
MELTING POINT 854 °C	2.533	NA	
SOLUBILITY IN WATER (% by Weight) 17% solution at 20 °C	pH 1% solution; pH = 11.3	VAPOR PRESSURE (mm Hg at 20 °C) <input type="checkbox"/> (PSIG) <input type="checkbox"/> NA	
EVAPORATION RATE (Butyl Acetate = 1) <input type="checkbox"/> (Ether = 1) <input type="checkbox"/> NA	% VOLATILES BY VOLUME (At 20 °C) NA		

G. REACTIVITY DATA

STABILITY <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID None.
INCOMPATIBILITY (MATERIALS TO AVOID) Contact with acids will release carbon dioxide gas. When mixed with lime dust and water, corrosive caustic soda may be produced.	
HAZARDOUS DECOMPOSITION PRODUCTS See above	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID None.

H. HAZARDOUS INGREDIENTS (Mixtures Only)

MATERIAL OR COMPONENT / C.A.S. #	WT. %	HAZARD DATA (SEE SECT. J)
NA		

I. ENVIRONMENTAL

DEGRADABILITY/AQUATIC TOXICITY		OCTANOL/WATER PARTITION COEFFICIENT
ND		ND
EPA HAZARDOUS SUBSTANCES (CLEAN WATER ACT SEC. 311)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF SO REPORTABLE QUANTITY: _____ #
		40 CFR 116-117
WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS)		
If permitted by applicable disposal regulations, bury in a solid waste landfill or dissolve and neutralize as follows: Dissolve in water using caution as solution can get hot. Neutralize with acid and flush to sewer with plenty of water. Good ventilation is required during neutralization due to release of CO ₂ gas. Neutralized waste may have to be disposed of by an approved contractor.		
RCRA STATUS OF UNUSED MATERIAL IF DISCARDED	HAZARDOUS WASTE NUMBER: (IF APPLICABLE)	
Not a hazardous waste.		
		40 CFR 261

J. REFERENCES

PERMISSIBLE CONCENTRATION REFERENCES		
None.		
REGULATORY STANDARDS	D.O.T. CLASSIFICATION: Not regulated	49 CFR 173
None additional cited.		
GENERAL		
(a) General Chemical Corporation data, unpublished.		

K. ADDITIONAL INFORMATION

This product is not for use as a food or drug additive.

PSDS FILE NO. - GC 1000

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