

SODIUM BICARBONATE

A. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM) Sodium Bicarbonate BETTER BLEND SODA® Sodium Bicarbonate -- See Section K.		<input checked="" type="checkbox"/> C.A.S. NO. <input type="checkbox"/> ALLIED PRODUCT CODE * 144-55-8	
CHEMICAL NAME Sodium Hydrogen Carbonate Synonyms: Sodium Acid Carbonate, Baking Soda, Bicarbonate of Soda.			
FORMULA NaHCO ₃		MOLECULAR WEIGHT 84.00	
ADDRESS (No., STREET, CITY, STATE AND ZIP CODE) ALLIED CHEMICAL P.O. Box 1139R Morristown, N.J. 07960			
CONTACT Director Product Safety	PHONE NUMBER (201) 455-4157	ISSUED DATE June 12, 1980	REVISED DATE Jan., 1983

B. FIRST AID MEASURES

<p><u>Skin:</u> Wash with plenty of water.</p> <p><u>Eyes:</u> Flush with plenty of water for at least 15 minutes and get medical attention.</p> <p><u>Ingestion:</u> Drink large quantity of water to dilute the material.</p> <p>Get medical attention for irritation, ingestion, or discomfort from inhalation.</p>	EMERGENCY PHONE NUMBER (201) 455-2000
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C. HAZARDS INFORMATION

HEALTH	
<p>INHALATION Inhalation of product dust may irritate nose, throat and lungs.</p>	
<p>INGESTION Although low in toxicity, ingestion can be harmful - consult a physician. May irritate mouth, esophagus, stomach, etc. LD₅₀ (rat): 4220 mg/kg. — Reference (a).</p>	
<p>SKIN May cause skin irritation from prolonged contact.</p>	
<p>EYES May irritate or burn eyes.</p>	
<p>PERMISSIBLE CONCENTRATION: AIR (SEE SECTION J) None established. No TLV established.</p>	BIOLOGICAL
<p>UNUSUAL CHRONIC TOXICITY</p>	

C. HAZARDS (Cont.)

NA -- Not Applicable

FIRE AND EXPLOSION

FLASH POINT	°C	AUTO IGNITION TEMPERATURE	°C	FLAMMABLE LIMITS IN AIR (% BY VOL.)
Not Flammable		NA		NA
<input type="checkbox"/> OPEN CUP	<input type="checkbox"/> CLOSED CUP			
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Carbon dioxide gas is released when product is heated.				

D. PRECAUTIONS/PROCEDURES

FIRE EXTINGUISHING AGENTS RECOMMENDED
NA
FIRE EXTINGUISHING AGENTS TO AVOID
NA
SPECIAL FIRE FIGHTING PRECAUTIONS
NIOSH-approved self-contained breathing apparatus may be required because of release of carbon dioxide gas.
VENTILATION
Local exhaust if dusty condition prevails.
NORMAL HANDLING
GE
Store in a cool dry area away from acids. Prolonged storage may cause untreated product to cake from atmospheric moisture.
SPILL OR LEAK
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

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. Gloves are sufficient for dry product; wear impervious gloves when handling solutions.
OTHER CLOTHING AND EQUIPMENT

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 crystals or powder. Odorless.	
BOILING POINT °C MELTING POINT (decomposes) °C	SPECIFIC GRAVITY (H ₂ O = 1) 2.159	VAPOR DENSITY (AIR = 1) NA	
SOLUBILITY IN WATER (% by Weight) approx. 9% solution at 20°C	pH 1% solution; pH = 8.6	VAPOR PRESSURE (mm Hg at 20°C) 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
INCOMPATIBILITY (MATERIALS TO AVOID) Contact with acids will release carbon dioxide gas.	
HAZARDOUS DECOMPOSITION PRODUCTS	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID

H. HAZARDOUS INGREDIENTS (Mixtures Only)

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

ENVIRONMENTAL

BIODEGRADABILITY/AQUATIC TOXICITY	OCTANOL/WATER PARTITION COEFFICIENT
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EPA HAZARDOUS SUBSTANCE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, REPORTABLE QUANTITY: _____ #	40 CFR 116-117
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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 in water, neutralize with acid and flush to sewer with plenty of water. Good ventilation is required during neutralization due to release of CO₂ gas. Neutralized waste may have to be disposed of by an approved contractor.

RCRA STATUS OF UNUSED MATERIAL: Not a hazardous waste.	40 CFR 261
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J. REFERENCES

PERMISSIBLE CONCENTRATION REFERENCES

REGULATORY STANDARDS	D.O.T. CLASSIFICATION: Not regulated.	49 CFR
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FDA regulations apply to use of USP, Food, and Feed grade products (21 CFR.)

AL

(a) "Registry of Toxic Effects of Chemical Substances", NIOSH, U.S. Dept. HHS, 1979.

K. ADDITIONAL INFORMATION

This product is not for Food, Feed or drug use unless product is labeled "Food grade", "Feed grade", or "USP", as applicable.

BETTER BLEND SODA® sodium bicarbonate is a treated, free-flowing food grade. It contains approximately 0.6% tricalcium phosphate (Ca₃ (PO₄)₂).

THIS PRODUCT SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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