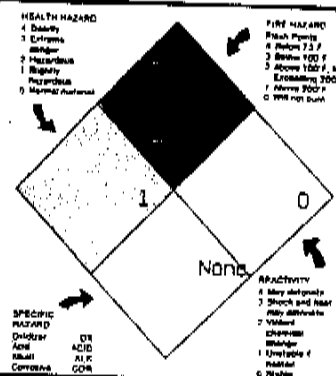




MATERIAL SAFETY DATA SHEET

ARM & HAMMER® BAKING SODA

CHURCH & DWIGHT CO., INC.



SECTION I - GENERAL INFORMATION

CHURCH & DWIGHT CO., INC.
 469 NORTH HARRISON STREET
 PRINCETON, NEW JERSEY 08540

EMERGENCY TELEPHONE NUMBER (609) 683-5900
 TELEPHONE NUMBER FOR INFORMATION: 800-524-1328
 (In New Jersey: 800-624-2889)
 DATE PREPARED: January 9, 1987

SECTION II - IDENTIFICATION

CHEMICAL NAME: Sodium bicarbonate
 DESCRIPTION: Inorganic salt

CAS#: 144-55-8
 Formula: NaHCO_3

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S)):	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
NONE				

SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA	SPECIFIC GRAVITY ($\text{H}_2\text{O} = 1$): 2.20 for compressed solid .98 for granular form
VAPOR PRESSURE (mm Hg.): NA	MELTING POINT: Decomposes @ 228°F
VAPOR DENSITY (AIR = 1): NA	EVAPORATION RATE (Butyl Acetate = 1): NA
SOLUBILITY IN WATER: Moderate	
APPEARANCE AND ODOR: White crystalline powder; no odor	

SECTION V - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non combustible	FLAMMABLE LIMITS: NA	LEL	UEL
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EXTINGUISHING MEDIA: Water, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: If extremely large quantities are involved, significant levels of CO_2 may be generated making necessary the use of a self contained breathing apparatus (CO_2 is an asphyxiant at levels over 5%). Soda ash, another thermal decomposition product generated at temperatures above 200°F is a respiratory and skin irritant.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE: No
STABLE: Yes

CONDITIONS TO AVOID: Temperatures above 228°F

INCOMPATIBILITY (MATERIALS TO AVOID): Reacts with acids to form salt, water and carbon dioxide.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Yields about 1% per hour Sodium Carbonate when temperature is raised to 190°F. Dust may then be irritating to eyes, skin and respiratory tract. Heating above 228°F may cause dangerous levels of CO₂ gas to be present in the atmosphere.

HAZARDOUS POLYMERIZATION: MAY OCCUR: No
WILL NOT OCCUR: Yes

CONDITIONS TO AVOID: NONE KNOWN

SECTION VII - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? Yes

SKIN? No

INGESTION? Yes

CARCINOGENICITY: NTP? No

IARC MONOGRAPHS? No

OSHA Regulated? No

	<u>INHALATION</u>	<u>SKIN CONTACT</u>	<u>EYE CONTACT</u>	<u>INGESTION</u>
ACUTE AND CHRONIC EFFECTS OF OVEREXPOSURE; MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None Known	Not a skin irritant per 16 CFR 1500.41 nor dermally toxic per 16 CFR 1500.42. Irritant dose: Human skin 30 mg/3 days intermittent; mild irritation.	Not an eye irritant per 16. CFR 1500.42. Eye-rbt 100mg rns MLD.	Non toxic per 16 CFR 1500.3 orl-inf TDLo 1260mg/Kg orl-rat LD ₅₀ 4-8g/Kg Large doses have produced systemic alkalosis and expansion in intracellular fluid volume with edema.

EMERGENCY AND FIRST AID PROCEDURES

Flush with copious amounts of water.
Seek medical attention if irritation persists.

Seek medical attention immediately if large overdose has been taken or if stomach disturbed.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scoop up into dry, clean containers.

WASTE DISPOSAL METHOD: Follow local, state and federal waste disposal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Follow use instructions on container. Do not store near acids.

OTHER PRECAUTIONS: None known

SECTION IX - CONTROL MEASURES *NOT FOR NORMAL USE BY CONSUMER - Gloves and goggles are recommended for exposure to dust lasting more than an hour.

RESPIRATORY PROTECTION (SPECIFY TYPE): None required*

VENTILATION LOCAL EXHAUST: None required*
MECHANICAL (GENERAL): SEE ABOVE

SPECIAL: NA
OTHER: NA

PROTECTIVE GLOVES: No special requirements* EYE PROTECTION: No special requirements*

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No special requirements*

WORK/HYGIENIC PRACTICES: No special requirements*

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