

9414 020843 MATERIAL SAFETY DATA SHEET SA9727

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME Church & Dwight Co., Inc.	REGULAR TELEPHONE NO. 212-868-2900
ADDRESS Two Penn Plaza, New York, New York 10001	EMERGENCY TELEPHONE NO. 212-868-2901
TRADE NAME SODIUM BICARBONATE USP (CAS #144-55-8)	
SYNONYMS Baking Soda, Bicarbonate of Soda, Carbonic Acid Mono Sodium Salt	
SHIPPING NAME ¹ DOT: Sodium Bicarbonate 28-123-16 ATA: Sodium Bicarbonate	

II HAZARDOUS INGREDIENTS²

MATERIAL OR COMPONENT	CAS NO.	%	HAZARD DATA

III PHYSICAL DATA

BOILING POINT, 760 MM HG	None	MELTING POINT	--
SPECIFIC GRAVITY (H ₂ O = 1)	S.D. - 60#/cu ft	VAPOR PRESSURE	--
VAPOR DENSITY (AIR = 1)	--	SOLUBILITY IN H ₂ O % BY WT Gr/100ml	6.9 @ 0°C 16.4 @ 60°C
% VOLATILES BY VOL.		EVAPORATION RATE (BUTYL ACETATE - i)	
APPEARANCE AND ODOR	White Crystalline powder; no odor	Ph (AS IS) Ph (1% SOLN.)	8.5

IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	None	AUTOIGNITION TEMPERATURE	None
FLAMMABLE LIMITS IN AIR, % BY VOL.	Non-Flammable	LOWER	UPPER
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES	None Required		
UNUSUAL FIRE AND EXPLOSION HAZARD	None		

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1. See references 1 and 2 2. See instructions and references 1 to 8.

V HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA	HAZARD CLASSIFICATION	BASIS FOR CLASSIFICATION	SOURCE
ROUTES OF EXPOSURE			
INHALATION	None		
SKIN CONTACT	None		
SKIN ABSORPTION	None		
EYE CONTACT	None		
INGESTION	None		

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EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE None

CHRONIC OVEREXPOSURE None

EMERGENCY AND FIRST AID PROCEDURES

EYES: None Required

SKIN: None Required

INHALATION: None Required

INGESTION: None Required

RECOMMENDATIONS TO PHYSICIAN

VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY

High temperature exposure causes decomposition to sodium carbonate, water and carbon dioxide.

INCOMPATIBILITY

Reacts with acid to salt, water and carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS

Gaseous carbon dioxide.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

VII DISPOSAL, SPILL OR LEAK PROCEDURES

AQUATIC TOXICITY (E.G. 96 HR. TLM):

None

WASTE DISPOSAL METHOD

Dry land fill

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Sweep up dry and dispose.

NEUTRALIZING CHEMICALS

None Required.

VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

None

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL) None

EYE None

GLOVES None

OTHER CLOTHING AND EQUIPMENT None

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IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS

None

OTHER HANDLING AND STORAGE REQUIREMENTS

Store in clean, cool, dry place.

Shipped in multi-walled Kraft paper bags, air-slide rail cars and bulk hopper trucks.

ADDITIONAL REGULATORY CONCERNS

FEDERAL: None

FDA

USDA

CPSC

TSCA IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? Yes

OTHER

STATE:

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USE OF WATER
DIPLOMA SERV

PREPARED BY M. Stephen Lajoie

TITLE: Director of R&D Services

COMPANY: Church & Dwight Co., Inc.

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