

Material Safety Data Sheet

EMERGENCY PHONE NUMBERS BUTLER CHEMICALS INC. 714-630-7625 INFO TRAC 800-535-5053	HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT	HEALTH 2 FIRE 0 REACTIVITY 0 SPECIAL B
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I. General Information

SOLD BY	BUTLER CHEMICALS 1283 N. GROVE ST. ANAHEIM, CA. 92806	Trade Name & Synonyms	POLY BREAK
DOT Hazard Classification	CORROSIVE	Chemical Family	MIXTURE
Proper DOT Shipping Name	CORROSIVE SOLID, BASIC INORGANIC, N.O.S. (SODIUM HYDROXIDE), 8, UN3262, PGII		
Prepared By	ERIC POE	LEGEND:	N/E Not Established N/A Not Applicable
Date	5/9/2003		

II Ingredients

Hazardous Components	CAS Number	Percent	ACGTH	TLV
SODIUM HYDROXIDE	1310-73-2	<15	2mg/m ³	2mg/m ³
SODIUM METASILICATE ANHYDROUS	6834-92-0	<40	NONE	NONE

III. Physical Data

Boiling Point(F)	N/A	Specific Gravity(H ₂ O=1)	N/A
Vapor Pressure(mm Hg)	N/A	Percent Volatile	N/A
Vapor Density(Air=1)	N/A	Evaporation Rate (_____ =1)	N/A
Solubility in Water	COMPLETE	Reactivity in Water	DISSOLVES WITH LIBERATION OF MUCH HEAT
Appearance & Odor	WHITE POWDER WITH NO ODOR	PH	APRX 13.8(1% SOLUTION)

IV. Fire & Explosion Hazard Data

Flash Point (Test Method)	N/A	Flammable Limits	UEL	LEL
		Auto Ignition Temperature	N/A	
Extinguishing Media				
<input checked="" type="checkbox"/> FOAM	<input checked="" type="checkbox"/> CO 2	<input checked="" type="checkbox"/> WATER SPRAY	<input type="checkbox"/> NOT APPLICABLE	
<input type="checkbox"/> ALCOHOL FOAM	<input checked="" type="checkbox"/> DRY CHEMICAL	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> OTHER	
Special Fire Fighting Procedures				
NONE, MATERIAL IS NOT FLAMABLE				
Unusual Fire & Explosion Hazards				
DIRECT CONTACT WITH WATER CAN CAUSE A VIOLENT EXOTHERMIC REACTION				

V. Health Hazard Data				
Threshold Limit Value of Product SEE SECTION II	OSHA TEV	ACGTH	TLV	Carcinogen NONE
Symptoms Of Exposure And Routes Of Entry				
EYES: PRODUCT IS DESTRUCTIVE OF EYE TISSUE				
SKIN: PRODUCT IS DESTRUCTIVE TO TISSUE. WILL CAUSE BURNS.				
INHALATION: DUST CAN CAUSE DAMAGE TO NASAL AND RESPIRATORY TRACT.				
INGESTION: RESULTS IN SEVER DAMAGE TO MUCOUS MEMBRANES AND DEEP TISSUE.				
FIRST AID				
EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.				
SKIN: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOT WEAR SEEK MEDICAL ATTENTION.				
INHALATION: GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. IF DISTRESS CONTINUES SEEK MEDICAL ADVISE.				
INGESTION: DO NOT INDUCE VOMITING. VOMITING WILL CAUSE FURTHER DAMAGE TO THROAT. DILUTE BY GIVING WATER. GIVE MILK OF MAGNESIA. SEEK MEDICAL ATTENTION IMMEDIATELY.				
VI. Reactivity Data				
Stability		Unstable	Conditions To Avoid CONTACT WITH STRONG MINERAL ACIDS, METALS AS ALUMINUM MAGNESIUM, COPPER; STRONG ORGANIC COMPOUNDS	
	X	Stable		
Incompatibility		Materials To Avoid STRONG ACIDS , REACTIVE METALS, ALUMINUM ECT.		
Hazardous		May Occur	Conditions to Avoid NONE KNOWN	
Polymerization	X	Will Not Occur		
Hazardous Decomposition Products NOT KNOWN TO POLYMERIZE.				
VII. Environmental Protection Procedures				
Spill Response SPILLS: SWEEP UP FOR DISPOSAL				
Waste Disposal Method CONTAMINATED MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE, LOCAL & FEDERAL REGULATIONS.				
VIII. Special Protection Information				
Eye Protection SAFETY GOGGLES RECOMMENDED		Skin Protection RUBBER GLOVES RECOMMENDED		
Respiratory Protection(Specific Type) DUST RESPIRATOR RECOMMENDED		Ventilation Recommended LOCAL EXHAUST.		
Other Protection IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICALLY RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT.				
IX. Special Precautions				
Hygienic Practices In Handling & Storage WASH ALL EXPOSED SKIN AREAS AFTER USE. KEEP CONTAINER CLOSED.				
Other Precautions STORE IN COOL, DRY PLACE KEEP CONTAINER CLOSED				
Disposal Of Empty Containers DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.				
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