

Material Safety Data Sheet

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

SOLD BY	Trade Name & Synonyms		
BUTLER CHEMICALS INC. 1283 N. GROVE ST. ANAHEIM, CA. 92806	TOTAL TREAT ALKALI BOILER TREATMENT		
DOT Hazard Classification	Chemical Family		
NONE	MIXTURE		
Proper DOT Shipping Name	N/A		
Prepared By	ERIC POE	LEGEND:	N/E Not Established
Date	5/9/2003		N/A Not Applicable

II Ingredients

Hazardous Components	CAS Number	Percent	PEL	TLV
SODIUM HYDROXIDE	1310-73-2	1.50%	2PPM	100PPM
CYCLOHEXALAMINE	108-91-8	2.00%	100PPM	100PPM

III. Physical Data

Boiling Point(F)	Specific Gravity(H2O=1)
0 % (CLEVELAND CLOSED CUP)	APRX 1
Vapor Pressure(mm Hg)	Percent Volatile
N/E	76.00%
Vapor Density(Air=1)	Evaporation Rate (_____ =1)
N/A	1.06
Solubility in Water	Reactivity in Water
COMPLETE	NONE
Appearance & Odor	PH
CLEAR BROWN LIQUID/AMINE ODOR	11.2

IV. Fire & Explosion Hazard Data

Flash Point (Test Method)	Flammable Limits	UEL	LEL
N/A	NON FLAMMABLE	0	0
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 type="checkbox"/> DRY CHEMICAL	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> OTHER
Special Fire Fighting Procedures			
NONE, MATERIAL IS NOT FLAMMABLE			
Unusual Fire & Explosion Hazards			
NONE			

V. Health Hazard Data				
Threshold Limit Value of Product N/A	OSHA TEV	ACGTH	TLV	Carcinogen NONE
Symptoms Of Exposure And Routes Of Entry				
EYES: PRODUCT IS IRRITATING TO EYE TISSUE.				
SKIN: PRODUCT IS IRRITATING TO TISSUE.				
INHALATION: MAY CAUSE DAMAGE TO RESPIRATORY TRACT.				
INGESTION: CAN CAUSE BURNS OF MUCOUS MEMBRANES.				
FIRST AID				
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT PHYSICIAN.				
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR.				
INHALATION: GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR, SEEK MEDICAL ADVICE.				
INGESTION: <u>DO NOT INDUCE VOMITING.</u> GIVE LARGE QUANTITIES OF WATER OR MILK. CONSULT A PHYSICIAN IMMEDIATELY.				
VI. Reactivity Data				
Stability		Unstable	Conditions To Avoid EXCESSIVE HEAT	
	X	Stable		
Incompatibility		Materials To Avoid OXIDIZING AGENTS		
Hazardous		May Occur	Conditions to Avoid NONE	
Polymerization	X	Will Not Occur		
Hazardous Decomposition Products NONE				
VII. Environmental Protection Procedures				
Spill Response				
SMALL SPILLS: FLUSH AREA WITH WATER INTO INDUSTRIAL SEWER LINE.				
LARGE SPILLS: DIKE AREA USING PROTECTIVE CLOTHING. TRANSFER TO APPROVED CONTAINERS 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		Skin Protection		
SAFETY GOGGLES RECOMMENDED		RUBBER GLOVES RECOMMENDED		
Respiratory Protection(Specific Type)		Ventilation Recommended		
NONE		LOCAL EXHAUST.		
Other Protection				
NONE				
IX. Special Precautions				
Hygienic Practices In Handling & Storage				
WASH HANDS AFTER USE. KEEP CONTAINER CLOSED. STORE IN COOL, DRY PLACE.				
Other Protection				
NONE				
Disposal Of Empty Containers				
DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.				
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