

# 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

## I. General Information

SOLD BY	Trade Name & Synonyms		
BUTLER CHEMICALS INC. 1283 N. GROVE ST. ANAHEIM, CA. 92806	CHLOR CLEAN		
DOT Hazard Classification	Chemical Family		
CORROSIVE LIQUID	MIXTURE		
Proper DOT Shipping Name			
CORROSIVE LIQUID N.O.S. (SODIUM HYPOCHLORITE), 8, UN1791, PGII			
Prepared By	ERIC POE	LEGEND:	N/E Not Established
Date	5/8/2003		N/A Not Applicable

## II Ingredients

Hazardous Components	CAS Number	Percent	ACGIH	TLV
SODIUM HYPOCHLORITE	7681-52-9	<7	0.5ppm	1PPM
			as chlorine	

## III. Physical Data

Boiling Point(F)	Specific Gravity(H2O=1)
APRX 212 DEGREES F	1.09
Vapor Pressure(mm Hg)	Percent Volatile
18 (mm HG)	N/A
Vapor Density(Air=1)	Evaporation Rate ( _____ =1)
2.5	N/A
Solubility in Water	Reactivity in Water
COMPLETE	NONE
Appearance & Odor	PH
CLEAR YELLOW LIQUID/CHLORINE	APPROX. 10-11

## IV. Fire & Explosion Hazard Data

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

V. Health Hazard Data					
Threshold Limit Value of Product N/A	TLV 1PPM	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: PRODUCT IS DESTRUCTIVE TO NASAL AND RESPIRATORY TRACT.					
INGESTION: RESULTS IN SEVER DAMAGE TO MUCOUS MEMBRANES AND DEEP TISSUE.					
<b>FIRST AID</b>					
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.					
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING AND FOOT WEAR SEEK MEDICAL ATTENTION.					
INHALATION: GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. SEEK MEDICAL ATTENTION.					
INGESTION: <u>DO NOT INDUCE VOMITING.</u> GIVE LARGE QUANTITIES OF WATER OR MILK. CONSULT A PHYSICIAN IMMEDIATELY.					
VI. Reactivity Data					
Stability	X	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">Unstable</td> <td rowspan="2" style="width: 50%;">CONDITIONS TO AVOID EXCESSIVE HEAT, SUNLIGHT, WEATHER</td> </tr> <tr> <td style="text-align: center;">Stable</td> </tr> </table>	Unstable	CONDITIONS TO AVOID EXCESSIVE HEAT, SUNLIGHT, WEATHER	Stable
Unstable	CONDITIONS TO AVOID EXCESSIVE HEAT, SUNLIGHT, WEATHER				
Stable					
Incompatibility		Materials To Avoid OTHER CHEMICALS, ORGANIC MATERIALS, ACIDS			
Hazardous		General Precautions: Stable at Normal Temperatures			
Polymerization	X				
		May Occur			
	X	Will Not Occur			
VII. PECAUTIONS FOR SAFE HANDDLING AND USE					
STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Where chemical goggles, NIOSH approved respirator for chlorine, face shield, rubber gloves, apron and footwear. Dike spills to prevent spreading. Pump or absorb material and place into DOT approved containers fo disposal. Do not permi material to enter storm drain.					
WASTE DISPOSAL METHOD: Check with local, state and federal authorities on proper disposal methods.					
Do not discharge effluent containing					
VIII. Special Protection Information					
Eye Protection SAFETY GOGGLES RECOMMENDED	Skin Protection RUBBER GLOVES RECOMMENDED				
Respiratory Protection(Specific Type)	Ventilation Recommended LOCAL EXHAUST.				
IX. Special Precautions					
Hygienic Practices In Handling & Storage WASH HANDS AFTER USE. KEEP CONTAINER CLOSED KEEP FROM FREEZING.					
Other Precautions NONE					
Disposal Of Empty Containers DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.					
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