

# Material Safety Data Sheet

<b>EMERGENCY PHONE NUMBERS</b>  BUTLER CHEMICAL INC. (714) 630-7625  INFOTRAC (800) 535-5053	<b>HAZARD RATING</b> 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT	<b>HEALTH</b> <b>3</b> <b>FIRE</b> <b>0</b> <b>REACTIVITY</b> <b>2</b> <b>PERSONAL</b> <b>D</b> <b>PROTECTION</b>
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## I. General Information

SOLD BY	Trade Name & Synonyms
BUTLER CHEMICAL INC. 1283 N. GROVE ST ANAHEIM, CA 92806	HI CHLOR
DOT Hazard Classification	Chemical Family
CORROSIVE LIQUID	MIXTURE
Proper DOT Shipping Name	
HYPOCHLORITE SOLUTIONS 8 PG UN 1791 PG III	
Prepared By	LEGEND:
Date	N/E Not Established N/A Not Applicable
2/2/2010	

## II Ingredients

Hazardous Components	CAS Number	Percent	ACGIH	
SODIUM HYPOCHLORITE SOLUTION	7681-52-9	<10%	TWA	STEL
			0.5 PPM	1 PPM

## III. Physical Data

Boiling Point(F)	Specific Gravity(H2O=1)
DECOMPOSES ABOVE 40C (104 F)	APRX 1.198
Vapor Pressure(mm Hg)	Percent Volatile
mm Hg @21: 12 mm Hg	N/A
Vapor Density(Air=1)	Evaporation Rate ( _____ =1)
N/E	AS WATER
Solubility in Water	Reactivity in Water
COMPLETE	NONE
Appearance & Odor	pH
LIGHT YELLOW LIQUID, CHLORINE ODOR	12.5-13.5 S.U.@25C

## 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	OSHA TEV	ACGTH	TLV	Carcinogen
N/A				NONE
<b>Symptoms Of Exposure And Routes Of Entry</b>				
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		Unstable	Conditions To Avoid CONTACT WITH STRONG MINERAL ACIDS, METALS AMPHOTERIC METALS: STRONG ACIDS	
	X	Stable		
Incompatibility		Materials To Avoid AMPHOTERIC METALS: STRONG ACIDS		
Hazardous		May Occur	Conditions to Avoid NONE	
Polymerization	X	Will Not Occur		
Hazardous Decomposition Products NONE				
VII. Environmental Protection Procedures				
<b>Spill Response</b>				
SMALL SPILLS: ABSORB ON SAND OR OTHER ABSORBENT.				
LARGE SPILLS: DIKE AREA USING PROTECTIVE CLOTHING. TRANSFER TO APPROVED CONTAINERS FOR DISPOSAL.				
<b>Waste Disposal Method</b>				
CONTAMINATED MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE, LOCAL & FEDERAL REGULATIONS.				
VIII. Special Protection Information				
<b>Eye Protection</b>		<b>Skin Protection</b>		
SAFETY GOGGLES RECOMMENDED		RUBBER GLOVES RECOMMENDED		
<b>Respiratory Protection(Specific Type)</b>		<b>Ventilation Recommended</b>		
NONE		LOCAL EXHAUST.		
<b>Other Protection</b>				
NONE				
IX. Special Precautions				
<b>Hygienic Practices In Handling &amp; Storage</b>				
WASH HANDS AFTER USE. KEEP CONTAINER CLOSED KEEP FROM FREEZING.				
<b>Other Precautions</b>				
NONE				
<b>Disposal Of Empty Containers</b>				
DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.				
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