

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	L A CHEMCHLOR		
DOT Hazard Classification	Chemical Family		
CORROSIVE LIQUID	SODIUM HYPOCHLORITE SOLUTION (10-16%)		
Proper DOT Shipping Name			
CORROSIVE LIQUID N.O.S. UN1760			
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
SODIUM HYPOCHLORITE	7861-52-9	(10-16)	0.5ppm 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 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 type="checkbox"/> WATER <input type="checkbox"/> OTHER		

Special Fire Fighting Procedures
Full protective clothing, including a self contained breathing apparatus, must be worn in a fire involving this material. Toxic gas and vapors are produced upon decomposition.

Unusual Fire & Explosion Hazards
Sodium hypochlorite is a strong oxidant, but solutions do not support combustions. Heat may release gas.

V. Health Hazard Data				
Threshold Limit Value of Product	OSHA TEV	ACGTH	TLV	Carcinogen
N/A			1PPM	NONE
Symptoms Of Exposure And Routes Of Entry				
EYES: Can cause severe burns and corneal damage, which may result in permanent blindness.				
SKIN: May cause skin irritation. In severe cases, chemical burns may result				
INHALATION: Mist can irritate nose and throat. If mixed with acids solutions can release chlorine gas.				
INGESTION: Product release hypochlorous acid upon contact with gastric juices and causes gastrointestinal irritation.				
FIRST AID				
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.				
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING AND FOOT WEAR SEEK MEDICAL ATTENTION IF NEEDED				
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 TO DILUTE MATERIAL. CONSULT A PHYSICIAN IMMEDIATELY				
VI. Reactivity Data				
Stability		Unstable	CONDITIONS TO AVOID EXCESSIVE HEAT, SUNLIGHT, WEATHER	
	X	Stable		
Incompatibility		Materials To Avoid OTHER CHEMICALS, ORGANIC MATERIALS, ACIDS		
Hazardous		May Occur	General Precautions: Stable at Normal Temperatures	
Polymerization	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 for disposal. Do not permit 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) A NIOSH/MSHA approved air-purifying respirator equipped with acid cartridges for concentrations up to 10 times the TLV. Use a supplied air respirator if concentrations are higher or unknown.		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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