

# Material Safety Data Sheet

<b>EMERGENCY PHONE NUMBERS</b>  BUTLER CHEMICALS INC. 714-630-7625  INFO TRAC 800-535-5053	<b>HAZARD RATING</b> 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT	<b>HEALTH</b> <u>2</u> <b>FIRE</b> <u>0</u> <b>REACTIVITY</b> <u>0</u> <b>SPECIAL</b> <u>C</u>
--	--	---

## I. General Information

<b>SOLD BY</b> BUTLER CHEMICALS 1283 N. GROVE ST. ANAHEIM, CA. 92806	<b>Trade Name &amp; Synonyms</b> CLEAN N CLEAR
<b>DOT Hazard Classification</b> CORROSIVE	<b>Chemical Family</b> MIXTURE
<b>Proper DOT Shipping Name</b> CORROSIVE SOLID, N.O.S. UN1759	
<b>Prepared By</b> Date	ERIC POE 5/9/2003
<b>LEGEND:</b>	N/E Not Established N/A Not Applicable

## II Ingredients

Hazardous Components	CAS Number	Percent	ACGTH	TLV
SODIUM HYDROXIDE	1310-73-2	<24%	2mg/m <sup>3</sup>	
SODIUM METASILICATE ANHYDROUS	6834-92-0	<24%	2mg/m <sup>3</sup>	

## III. Physical Data

<b>Boiling Point(F)</b> N/A	<b>Specific Gravity(H2O=1)</b> N/A
<b>Vapor Pressure(mm Hg)</b> N/A	<b>Percent Volatile</b> N/A
<b>Vapor Density(Air=1)</b> N/A	<b>Evaporation Rate</b> ( _____ =1) N/A
<b>Solubility in Water</b> COMPLETE	<b>Reactivity in Water</b> DISSOLVES WITH LIBERATION OF MUCH HEAT
<b>Appearance &amp; Odor</b> WHITE POWDER WITH NO ODOR	<b>PH</b> APRX 13.8(1% SOLUTION)

## IV. Fire & Explosion Hazard Data

<b>Flash Point (Test Method)</b> N/A	<b>Flammable Limits</b>	<b>UEL</b>	<b>LEL</b>
	<b>Auto Ignition Temperature</b>	<b>N/A</b>	
<b>Extinguishing Media</b> <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			
<b>Special Fire Fighting Procedures</b> NONE, MATERIAL IS NOT FLAMABLE			
<b>Unusual Fire &amp; Explosion Hazards</b> 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.				
<b>FIRST AID</b>				
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 EXCESSIVE HEAT, DIRECT SUNLIGHT AND MOISTURE	
	X	Stable		
Incompatibility		Materials To Avoid STRONG ACIDS , REACTIVE METALS, ALUMINUM ECT.		
Hazardous		May Occur		
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.				
THIS MSDS WAS OBTAINED FROM RELIABLE SOURCES. HOWEVER, IT IS PROVIDED WITHOUT REPRESENTATION OR WARRANTY EXPRESSED OR IMPLIED REGARDING ACCURACY OR CORRECTNESS. CONDITIONS, METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL OR BEYOND OUR KNOWLEDGE FOR THIS AND OTHER REASONS, WE ASSUME NO RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR INJURY, LOSS, DAMAGE OR EXPENSES ARISING OUT OF THE USE OF THIS PRODUCT.				