

# Material Safety Data Sheet

<b>EMERGENCY PHONE NUMBERS</b>  BUTLER CHEMICALS 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> <u>1</u> <b>FIRE</b> <u>0</u> <b>REACTIVITY</b> <u>1</u> <b>SPECIAL</b> <u>B</u>
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## I. General Information

<b>SOLD BY</b> BUTLER CHEMICALS INC. 1283 N. GROVE ST ANAHEIM, CA. 92806	<b>Trade Name &amp; Synonyms</b> TUB N TILE
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<b>DOT Hazard Classification</b> CORROSIVE LIQUID	<b>Chemical Family</b> MIXTURE
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<b>Prepared By</b> Date	ERIC POE 5/9/2003	<b>LEGEND:</b>	N/E Not Established N/A Not Applicable
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## II Ingredients

Hazardous Components	CAS Number	Percent	PEL	TLV
PHOSPHORIC ACID	7664-38-2	30%	2PPM	2PPM

## III. Physical Data

<b>Boiling Point(F)</b> 212 degrees F.	<b>Specific Gravity(H2O=1)</b> 1.21
<b>Vapor Pressure(mm Hg)</b> N/E	<b>Percent Volatile</b> 75-77%
<b>Vapor Density(Air=1)</b> N/E	<b>Evaporation Rate</b> <u>n-butyl acetate =1)</u> 1.25
<b>Solubility in Water</b> COMPLETE	<b>Reactivity in Water</b> NONE
<b>Appearance &amp; Odor</b> clear RED liquid/ acidic odor	<b>ph</b> <1

## IV. Fire & Explosion Hazard Data

<b>Flash Point (Test Method)</b> >200 DEG. F (TAG CLOSED CUP)	<b>Flammable Limits</b> Auto Ignition Temperature	UEL	LEL
<b>Extinguishing Media</b> <input 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 FLAMABLE

**Unusual Fire & Explosion Hazards**  
 NONE

V. Health Hazard Data			
Threshold Limit Value of Product		Carcinogen	
N/A		NONE LISTED	
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		Unstable	conditions to avoid: excessive heat, direct sunlight, and moisture
	X	Stable	
Incompatibility		Materials To Avoid	
		Reacts vigorously with alkalis, producing heat. Reacts	
Hazardous		May Occur	with many metals producing hydrogen gas.
Polymerization	X	Will Not Occur	
Hazardous Decomposition Products			
NONE			
VII. Environmental Protection Procedures			
Spill Response			
small spills: mop area and flush into industrial sewage line. Prevent from entering storm drains.			
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 KEEP FROM FREEZING.			
Other Precautions			
NONE			
Disposal Of Empty Containers			
DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.			
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