

# 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>2</u> <b>FIRE</b> <u>2</u> <b>REACTIVITY</b> <u>0</u> <b>SPECIAL</b> <u>B</u>
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## I. General Information

SOLD BY	BUTLER CHEMICALS INC. 1283 N. GROVE ST. ANAHEIM, CA. 92806	Trade Name & Synonyms	GLASS PLUS
DOT Hazard Classification	NONE	Chemical Family	MIXTURE
Proper DOT Shipping Name	N/A		
Prepared By	ERIC POE	LEGEND:	N/E Not Established
Date	5/9/2003		N/A Not Applicable

## II Ingredients

Hazardous Components	CAS Number	Percent	P.E.L.	TLV
ISOPROPANOL	67-63-0	<6	N/A	400ppm
2-Butoxyethanol*	111-76-2	<30	25ppm	25ppm

\* This product is subject to the reporting requirements of SARA title III.

## III. Physical Data

Boiling Point(F)	212 deg. F	Specific Gravity(H2O=1)	0.98
Vapor Pressure(mm Hg)	17 mm Hg	Percent Volatile	100.00%
Vapor Density(Air=1)	>1	Evaporation Rate ( _____ =1)	<1
Solubility in Water	COMPLETE	FREEZING POINT	32 DEG. F.
Appearance & Odor	LIGHT BLUE CLEAR LIQUID/PLEASANT ODOR	PH	9.5-10.0

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method)	N/A	Flammable Limits	LEL no data	UEL no data
		Auto Ignition Temperature	no data	
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**  
 Firefighter should wear a positive NIOSH approved self contained breathing apparatus.

**Unusual Fire & Explosion Hazards**  
 Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

V. Health Hazard Data					
Threshold Limit Value of Product N/A	Carcinogen NONE				
Symptoms Of Exposure And Routes Of Entry					
EYES: PRODUCT IS IRRITATING TO EYE TISSUE.					
SKIN: PRODUCT IS IRRITATING TO TISSUE.					
INHALATION: MAY CAUSE DAMAGE TO RESPIRATORY TRACT.					
INGESTION: CAN CAUSE BURNS OF MUCOUS MEMBRANES.					
<b>FIRST AID</b>					
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT PHYSICIAN.					
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR.					
INHALATION: GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR, SEEK MEDICAL ADVICE.					
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="text-align: center;">Unstable</td> </tr> <tr> <td style="text-align: center;">Stable</td> </tr> </table>	Unstable	Stable	Conditions To Avoid open flame
Unstable					
Stable					
Incompatibility		Materials To Avoid strong oxidizers			
Hazardous		May Occur			
Polymerization	X	Will Not Occur			
Hazardous Decomposition Products Carbon dioxide/monoxide					
VII. Environmental Protection Procedures					
Spill Response					
SMALL SPILLS: ABSORB ON SAND OR OTHER ABSORBENT.					
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. STORE IN COOL, DRY PLACE.					
Other Protection					
NONE					
Disposal Of Empty Containers					
DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS.					
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