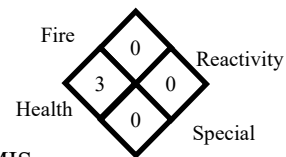


# SAFETY DATA SHEET

## 1 PRODUCT IDENTIFICATION

**THE BUTLER CORPORATION**  
 251 MOODY STREET  
 LUDLOW, MASSACHUSETTS 01056  
 INTERNET: [www.butlersystem.com](http://www.butlersystem.com), email: [info@butlersystem.com](mailto:info@butlersystem.com)  
 TELEPHONE 1-800-535-5025  
 Chemtrec: 800-424-9300, 703-527-3887

HAZARD RATING  
 4=EXTREME  
 3=HIGH  
 2=MODERATE  
 1=SLIGHT  
 0=INSIGNIFICANT



**CHEMICAL NAME SYNONYM**

**GLYCOL  
ETHERS**

**CHEMICAL FAMILY:  
SOLVENTS**

**TRADE NAME SYNONYM**

**PENETRATING SOLVENT**

## 2 HAZARDS IDENTIFICATION

**HEALTH HAZARD DATA: GHS Classification:**



Signal word: Warning: Irritant, harmful if swallowed.

## ROUTE OF EXPOSURE

<b>INHALATION</b>	<b>YES-IRRITATING TO NOSE AND THROAT</b>
<b>SKIN ABSORPTION</b>	<b>NO</b>
<b>INGESTION</b>	<b>YES-CAN CAUSE DISCOMFORT IF TAKEN INTERNALLY</b>
<b>SKIN CONTACT</b>	<b>YES-PROLONG CONTACT MAY CAUSE IRRITATION</b>
<b>EYE CONTACT</b>	<b>YES-DIRECT CONTACT MAY CAUSE IRRITATION</b>

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	%	CAS NUMBER
<b>2-BUTOXY ETHANOL</b>	<b>40-90</b>	<b>111-76-2</b>

## 4 FIRST AID MEASURES

<b>EFFECTS OF OVEREXPOSURE</b>	
<b>ACUTE OVEREXPOSURE</b>	<b>UNKNOWN</b>
<b>EFFECTS OF OVEREXPOSURE</b>	<b>NARCOSIS'S OR ARRHYTHMIAS DISCOMFORT</b>
<b>EMERGENCY FIRST AID PROCEDURES</b>	
<b>EYES: FLUSH WITH WATER FOR 15 MINUTES IF IRRITATION PERSISTS SEE A PHYSICIAN</b>	<b>SKIN: WASH WITH WATER THOROUGHLY IF IRRITATION PERSISTS SEE A PHYSICIAN</b>
<b>INHALATION: MOVE TO FRESH AIR IF IRRITATION PERSISTS SEE A PHYSICIAN</b>	<b>INGESTION: DRINK MILK OR WATER AND SEE A PHYSICIAN</b>
<b>NOTES TO PHYSICIAN:</b>	

## 5 FIRE FIGHTING MEASURES

<b>FLASH POINT (TOC) IF HYDROCARBON</b>	<b>150°F</b>	<b>AUTOIGNITION TEMPERATURE</b>	<b>ND</b>
<b>FLAMMABLE LIMITS IN AIR % BY VOL. LOWER</b>	<b>ND</b>	<b>UPPER</b>	<b>ND</b>
<b>EXTINGUISHING MEDIA</b>	<b>FOAM, CO2, DRY CHEMICAL, WATER FOG</b>		
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	<b>USUAL FIRE FIGHTING PROCEDURES CAN BE USED</b>		
<b>UNUSUAL FIRE AND EXPLOSION HAZARD</b>	<b>NONE KNOWN</b>		

**6-ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:FLUSH WITH WATER, (NON-HAZARDOUS WASTE)****NEUTRALIZING CHEMICALS****WASTE DISPOSAL METHOD: WASTE MAY BE DISCHARGED INTO SANITARY SEWER AS NON-HAZARDOUS WASTE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS****7 HANDLING & STORAGE****KEEP AWAY FROM HEAT; KEEP AWAY FROM EYES AND AVOID PROLONG CONTACT WITH SKIN****8 EXPOSURE CONTROL/PERSONAL PROTECTION****SPECIFIC PERSONAL PROTECTIVE EQUIPMENT  
USE AIR CIRCULATOR OR RESPIRATOR****RESPIRATORY (SPECIFY IN DETAIL)  
PROVIDE AMPLE VENTILATION****EYE: MONOGOGGLES SUGGESTED****GLOVES: CONTACT IMPERMEABLE GLOVES SUGGESTED****OTHER CLOTHING AND EQUIPMENT****NONE****9: PHYSICAL DATA**

<b>BOILING POINT:</b>	<b>160°F</b>	<b>MELTING POINT:</b>	<b>&lt;32 °F</b>	<b>pH N/A</b>
<b>SPECIFIC GRAVITY</b>	<b>0.9</b>	<b>VAPOR PRESSURE (MM Hg)</b>	<b>ND</b>	
<b>VAPOR DENSITY(AIR=1)</b>	<b>&gt;1</b>	<b>SOLUBILITY IN H<sub>2</sub>O BY WT.</b>	<b>SOLUBLE</b>	
<b>%VOLATILES BY WT.</b>		<b>EVAPORATION RATE (BUTYL ACETATE=1)</b>	<b>&gt;1</b>	
<b>APPEARANCE AND ODOR</b>	<b>WATER WHITE LIQUID/SOLVENT ODOR</b>			

**10: STABILITY & REACTIVITY**

<b>CONDITIONS CONTRIBUTING TO INSTABILITY</b>	<b>NONE</b>	<b>INCOMPATIBILITY</b>	<b>STRONG OXIDIZING AGENTS</b>
<b>HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO FIRE EMITS NORMAL PRODUCTS OF COMBUSTION</b>	<b>YES</b>	<b>CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION</b>	<b>NONE</b>

**11: TOXICOLOGICAL INFORMATION****NONE KNOWN****12: ECOLOGICAL INFORMATION****NONE KNOWN****13: DISPOSAL CONSIDERATIONS****IN ACCORDANCE TO APPLICABLE FEDERAL STATE AND LOCAL REGULATIONS****14:TRANSPORT INFORMATION****REFER TO BILL OF LADING OR CONTAINER LABEL****15:REGULATORY INFORMATION****USA (TSCA), CANADA (DSL)****16:OTHER INFORMATION****PRECAUTIONARY STATEMENTS WASH AFTER HANDLING AND KEEP OUT OF REACH OF CHILDREN****DISCLAIMER OF LIABILITY**

One should always use chemicals with an awareness of the potential hazard (known and unknown) of their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product, and to keep the level of exposure commensurate with good industrial hygiene practices.

The manufacturer and seller warrant that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of the material and the results to be obtained from the use thereof.

**ND-NOT DETERMINED****NA-NOT APPLICABLE****NE-NOT ESTABLISHED****DATE 06-10-2014 - PENETRATING SOLVENT**