

# SAFETY DATA SHEET

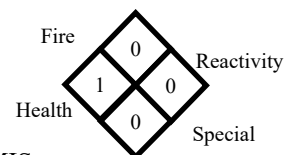
## 1 PRODUCT IDENTIFICATION

### 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)  
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#### HAZARD RATING

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



**CHEMICAL NAME SYNONYM**

**MIXTURE**

**CHEMICAL FAMILY: ORGANIC ACID**

**TRADE NAME SYNONYM**

**DESCALER**

## 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 EYES, NOSE AND THROAT</b>
<b>SKIN ABSORPTION</b>	<b>NO</b>
<b>INGESTION</b>	<b>NO</b>
<b>SKIN CONTACT</b>	<b>NO</b>
<b>EYE CONTACT</b>	<b>YES-CAN CAUSE SEVERE IRRITATION</b>

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	%	CAS NUMBER
<b>PHOSPHORIC ACID</b>	<b>1-5</b>	<b>7664-38-2</b>

## 4 FIRST AID MEASURES

### EFFECTS OF OVEREXPOSURE

<b>ACUTE OVEREXPOSURE</b>	<b>UNKNOWN</b>
<b>EFFECTS OF OVEREXPOSURE</b>	<b>UNKNOWN</b>

### EMERGENCY FIRST AID PROCEDURES

<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>

**NOTES TO PHYSICIAN:**

## 5 FIRE FIGHTING MEASURES

<b>FLASH POINT (TOC)</b>	<b>N/A</b>	<b>AUTOIGNITION TEMPERATURE</b>	<b>N/A</b>
<b>FLAMMABLE LIMITS IN AIR % BY VOL. LOWER</b>	<b>N/A</b>	<b>UPPER</b>	<b>N/A</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) FLUSH WITH FLUSH****NEUTRALIZING CHEMICALS****WASTE DISPOSAL METHOD:****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, STORE IN COOL PLACE. AVOID BREATHING VAPOR.****KEEP AWAY FROM EYES AND PROLONGED CONTACT WITH SKIN****8 EXPOSURE CONTROL/PERSONAL PROTECTION****SPECIFIC PERSONAL PROTECTIVE EQUIPMENT****NONE****RESPIRATORY (SPECIFY IN DETAIL)****NORMAL ROOM VENTILATION SHOULD BE SUFFICIENT****EYE: MONOGOGGLES SUGGESTED****GLOVES: REPEAT CONTACT IMPERMEABLE GLOVES SUGGESTED****OTHER CLOTHING AND EQUIPMENT****NONE****9: PHYSICAL DATA****BOILING POINT: 760 MM HG****100°C****MELTING POINT:****BELOW 32°F****pH: 1.0-2.0****SPECIFIC GRAVITY****1.1****VAPOR PRESSURE****ND****VAPOR DENSITY(AIR=1)****>1****SOLUBILITY IN H<sub>2</sub>O BY WT.****SOLUBLE****%VOLATILES BY WT.****EVAPORATION RATE (BUTYL ACETATE=1)****>1****APPEARANCE AND ODOR****WATER WHITE LIQUID/NO ODOR****10: STABILITY & REACTIVITY****CONDITIONS CONTRIBUTING TO INSTABILITY: HIGH TEMPERATURE OVER 125 °F****YES****INCOMPATIBILITY****ALKALINE MATERIAL OXIDIZING AGENTS****HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, WATER****YES****CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION****NONE****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 - DESCALER**