

SAFETY DATA SHEET

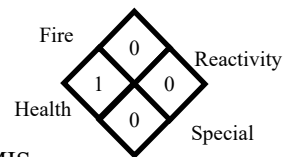
1 PRODUCT IDENTIFICATION

THE BUTLER CORPORATION

251 MOODY STREET
LUDLOW, MASSACHUSETTS 01056
INTERNET: www.butlersystem.com, email: 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



HMIS

CHEMICAL NAME SYNONYM

MIXTURE

CHEMICAL FAMILY: BISULFITES/REDUCING AGENT

TRADE NAME SYNONYM

BROWNING REMOVAL

2 HAZARDS IDENTIFICATION

HEALTH HAZARD DATA: GHS Classification:



Signal word: Warning: Irritant, harmful if swallowed.

ROUTE OF EXPOSURE

INHALATION

YES-IRRITATING TO NOSE AND THROAT

SKIN ABSORPTION

NO

INGESTION

NO

SKIN CONTACT

NO

EYE CONTACT

YES-DIRECT CONTACT MAY CAUSE IRRITATION

3 COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	%	CAS NUMBER
SODIUM HYDROGEN SULFITE	50-100	7631-90-5

4 FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE

UNKNOWN

EFFECTS OF OVEREXPOSURE

UNKNOWN

EMERGENCY FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES

SKIN: WASH WITH WATER THOROUGHLY

IF IRRITATION PERSISTS SEE A PHYSICIAN

IF IRRITATION PERSISTS SEE A PHYSICIAN

INHALATION: MOVE TO FRESH AIR

INGESTION: DRINK MILK OR WATER

IF IRRITATION PERSISTS SEE A PHYSICIAN

AND SEE A PHYSICIAN

NOTES TO PHYSICIAN:

5 FIRE FIGHTING MEASURES

FLASH POINT (TOC)	N/A	AUTOIGNITION TEMPERATURE	N/A
FLAMMABLE LIMITS IN AIR % BY VOL. LOWER	N/A	UPPER	N/A
EXTINGUISHING MEDIA	FOAM, CO2, DRY CHEMICAL, WATER FOG		
SPECIAL FIRE FIGHTING PROCEDURES	USUAL FIRE FIGHTING PROCEDURES CAN BE USED		
UNUSUAL FIRE AND EXPLOSION HAZARD	NONE KNOWN		

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			
STORE IN A COOL PLACE, AVOID BREATHING VAPOR, KEEP AWAY FROM EYES, AND AVOID PROLONG CONTACT WITH SKIN			
8 EXPOSURE CONTROL/PERSONAL PROTECTION			
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT		RESPIRATORY (SPECIFY IN DETAIL)	
NONE		NORMAL ROOM VENTILATION SHOULD BE SUFFICIENT	
EYE: MONOGOGGLES SUGGESTED		GLOVES: CONTACT IMPERMEABLE GLOVES SUGGESTED	
OTHER CLOTHING AND EQUIPMENT		NONE	
9: PHYSICAL DATA			
BOILING POINT:	212°F	MELTING POINT:	BELOW 32°F pH: 3.4-4.5
SPECIFIC GRAVITY	1.025	VAPOR PRESSURE	ND
VAPOR DENSITY(AIR=1)	>1	SOLUBILITY IN H₂O BY WT.	SOLUBLE
%VOLATILES BY WT.		EVAPORATION RATE (BUTYL ACETATE=1)	>1
APPEARANCE AND ODOR		WATER WHITE LIQUID WITH PUNGENT ODOR	
10: STABILITY & REACTIVITY			
CONDITIONS CONTRIBUTING TO INSTABILITY	YES	INCOMPATIBILITY	ALKALINE MATERIAL, OXIDIZING AGENTS
HIGH TEMPERATURES OVER 120 °F			
HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO SULFUR DIOXIDE	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		NE-NOT ESTABLISHED	
NA-NOT APPLICABLE			
DATE 06-10-2014 - BROWNING REMOVAL			