

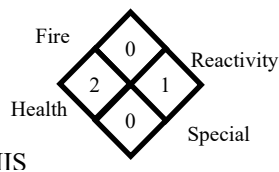
SAFETY DATA SHEET

1 PRODUCT IDENTIFICATION

THE BUTLER CORPORATION

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 LUDLOW, MASSACHUSETTS 01056
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 TELEPHONE 1-800-535-5025
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HAZARD RATING
 4=EXTREME
 3=HIGH
 2=MODERATE
 1=SLIGHT
 0=INSIGNIFICANT


CHEMICAL NAME SYNONYM
MIXTURE
CHEMICAL FAMILY: BISULFITES
TRADE NAME SYNONYM
REDUCING AGENT

2 HAZARDS IDENTIFICATION

HEALTH HAZARD DATA: GHS Classification:


Signal word: Warning: Irritant, harmful if swallowed.

ROUTE OF EXPOSURE
INHALATION
YES-IRRITATING TO EYES AND THROAT
SKIN ABSORPTION
NO
INGESTION
YES-CAN CAUSE DISCOMFORT IF TAKEN INTERNALLY
SKIN CONTACT
NO
EYE CONTACT
YES-DIRECT CONTACT MAY CAUSE IRRITATION

3 COMPOSITION/INFORMATION ON INGREDIENTS

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

4 FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE
ACUTE OVEREXPOSURE
UNKNOWN
EFFECTS OF OVEREXPOSURE
ASTHMA
EMERGENCY FIRST AID PROCEDURES
**EYES: FLUSH WITH WATER FOR 15 MINUTES
 IF IRRITATION PERSISTS SEE A PHYSICIAN**
**SKIN: WASH WITH WATER THOROUGHLY
 IF IRRITATION PERSISTS SEE A PHYSICIAN**
**INHALATION: MOVE TO FRESH AIR
 IF IRRITATION PERSISTS SEE A PHYSICIAN**
**INGESTION: DRINK MILK OR WATER
 AND SEE A PHYSICIAN**
NOTES TO PHYSICIAN:

5 FIRE FIGHTING MEASURES

FLASH POINT (TOC)	ND	AUTOIGNITION TEMPERATURE	ND
FLAMMABLE LIMITS IN AIR % BY VOL. LOWER	ND	UPPER	ND
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 COOL PLACE; AVOID BREATHING VAPOR,

KEEP AWAY FROM EYES AND AVOID PROLONG CONTACT WITH SKIN.

8 EXPOSURE CONTROL/PERSONAL PROTECTIONSPECIFIC PERSONAL PROTECTIVE EQUIPMENT
AVOID BREATHING VAPOR TLV/TWA(ACGIH)RESPIRATORY (SPECIFY IN DETAIL)
NORMAL ROOM VENTILATION SHOULD BE SUFFICIENT

EYE: MONOGOGGLES SUGGESTED

GLOVES: CONTACT IMPERMEABLE GLOVES SUGGESTED

OTHER CLOTHING AND EQUIPMENT

NONE

9: PHYSICAL DATA

BOILING POINT:	N/A	MELTING POINT:	DECOMPOSES	pH: 3.4.-4.5
SPECIFIC GRAVITY	1.48	VAPOR PRESSURE	ND	
VAPOR DENSITY(AIR=1)	>1	SOLUBILITY IN H ₂ O BY WT.	SOLUBLE	
%VOLATILES BY WT.		EVAPORATION RATE (BUTYL ACETATE=1)	>1	
APPEARANCE AND ODOR	WHITE POWDER WITH PUNGENT ODOR			

10: STABILITY & REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY--HIGH TEMPERATURES	YES	INCOMPATIBILITY	OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS 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

NA-NOT APPLICABLE

NE-NOT ESTABLISHED

DATE 06-10-2014 - REDUCING AGENT