

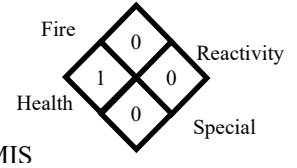
SAFETY DATA SHEET

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



CHEMICAL NAME SYNONYM

MIXTURE

CHEMICAL FAMILY:
INORGANIC GAS MIXTURE

TRADE NAME SYNONYM

AMMONIA ALKALINE SOLUTION 7%

2 HAZARDS IDENTIFICATION

HEALTH HAZARD DATA: GHS Classification:



Signal word: Warning: Irritant, harmful if swallowed.

ROUTE OF EXPOSURE

INHALATION

YES

SKIN ABSORPTION

LOW

INGESTION

YES-CAN CAUSE DISCOMFORT IF TAKEN INTERNALLY

SKIN CONTACT

NO-PROLONG CONTACT MAY CAUSE SKIN IRRITATION

EYE CONTACT

YES-DIRECT CONTACT CAN CAUSE SEVERE IRRITATION

3 COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	%	CAS NUMBER
AMMONIUM HYDROXIDE	7	1336-21-6

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
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 AND WATER
AND SEE A PHYSICIAN

NOTES TO PHYSICIAN:

5 FIRE FIGHTING MEASURES

FLASH POINT (TOC)	+200 °F	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****KEEP AWAY FROM HEAT, KEEP AWAY FROM EYES, AND PROLONGED CONTACT WITH SKIN****8 EXPOSURE CONTROL/PERSONAL PROTECTION****SPECIFIC PERSONAL PROTECTIVE EQUIPMENT****RESPIRATORY (SPECIFY IN DETAIL)
NORMAL ROOM VENTILATION SHOULD BE SUFFICIENT****EYE: MONOGOGGLES SUGGESTED****GLOVES: IMPERMEABLE GLOVES SUGGESTE****OTHER CLOTHING AND EQUIPMENT****NONE****9: PHYSICAL DATA**

BOILING POINT:	100°C	MELTING POINT:	BELOW 32°F	pH: 10.0-11.6
SPECIFIC GRAVITY(WATER=1)	1.0	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	CLEAR AMMONIA SMELL			

10: STABILITY & REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY	NONE	INCOMPATIBILITY	STRONG OXIDIZING AGENTS, ACIDS,
HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO FIRE EMITS NORMAL PRODUCTS OF COMBUSTION	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 - AMMONIA ALKALINE SOLUTION 7%**

