

RCHA7405 Hardness Buffer

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): NA (C): Not determined
METHOD:	TCC
FLAMMABLE LIMITS IN AIR	
LOWER (%):	NA
UPPER (%):	NA
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	As for surrounding fire.
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not applicable
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Keep container closed. Store in a well ventilated area. Store in a cool, dry location away from incompatible materials. Wash thoroughly after handling. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	Use in a well ventilated area. If atmospheric/employee monitoring indicates exposure above the TLV/PEL, use the following respiratory protection: Wear self-contained breathing apparatus.
PROTECTIVE GLOVES:	Rubber gloves.
EYE PROTECTION:	Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT:	None known.
VENTILATION:	Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, colorless liquid. Ammonia odor.	
BOILING POINT (F):	NA	(C) Not determined
VAPOR PRESSURE:	NA	
VAPOR DENSITY (AIR=1):	NA	
SOLUBILITY IN WATER:	Infinite	
SPECIFIC GRAVITY:	0.97	
VOC Content (%):	NA	
EVAPORATION RATE:	NA	
PH:	NA	

9. PHYSICAL AND CHEMICAL PROPERTIES

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Nitrogen. Ammonia.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials. Nitric acid. Chlorine bleach. Metals.
CONDITIONS/HAZARDS TO AVOID: High temperatures may cause decomposition.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: Not applicable.
PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Ammonium chloride 12125-02-9	7	Listed	Listed	Listed	Not Listed
Ammonium hydroxide 1336-21-6	< 15	Listed	Listed	Listed	Not Listed
EDTA Mg Salt 15954-95-7	< 1	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Ammonium chloride 12125-02-9	7	5000 lb 2270 kg	Not Listed	Not Listed
Ammonium hydroxide 1336-21-6	< 15	1000 lb 454 kg	Not Listed	Not Listed
EDTA Mg Salt 15954-95-7	< 1	Not Listed	Not Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Ammonium chloride 12125-02-9	7	Listed
Ammonium hydroxide 1336-21-6	< 15	<row><value>E</value></row> E

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
Ammonium chloride 12125-02-9	7	Listed
Ammonium hydroxide 1336-21-6	< 15	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Ammonium chloride 12125-02-9	7	Listed
Ammonium hydroxide 1336-21-6	< 15	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Ammonium chloride 12125-02-9	7	Listed
Ammonium hydroxide 1336-21-6	< 15	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***