



MATERIAL SAFETY DATA SHEET

REVISION DATE: 06/06/2013

REVISION NUMBER: 1

DATE PRINTED: 06/06/2013

1. CHEMICAL PRODUCT

PRODUCT NAME: **RLT-5200S**

PRODUCT CODE: 119634

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3

Fire: 1/1

Reactivity: 0/0

Special/Protective Equipment: CORR/B

Emergency Phone:

INFOTRAC: 1-800-535-5053

OUTSIDE US: 1-352-323-3500

DISTRIBUTED BY: Rochester Midland Corporation
155 Paragon Drive
Rochester, NY 14624

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May be harmful if swallowed. Causes burns of the mouth, throat and stomach. Aspiration can be a hazard if this material is swallowed.

SKIN CONTACT: Corrosive; May cause skin burns. May cause an allergic skin reaction.

INHALATION: May be harmful if inhaled. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure. May cause burns.

EYE CONTACT: Causes eye burns. May cause severe eye irritation. May cause corneal injury. May harm vision.

CHRONIC EFFECTS: None known.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
CYCLOHEXYLAMINE 108-91-8	10 - 30	10 ppm	Not applicable
MORPHOLINE 110-91-8	10 - 30	20 ppm	20 ppm 70 mg/m ³
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	2 ppm	10 ppm 50 mg/m ³

4. FIRST AID MEASURES

INGESTION: Get immediate medical attention. Rinse mouth with water many times. Drink several glasses of water or milk. Never give anything by mouth to an unconscious person. May cause aspiration pneumonia.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.

4. FIRST AID MEASURES

INHALATION:	If inhaled, move victim to fresh air and seek medical attention. Aid breathing if necessary. Do not do mouth-to-mouth resuscitation.
EYES:	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
NOTES TO PHYSICIAN:	None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): Not determined (C): Not determined
METHOD:	None
FLAMMABLE LIMITS IN AIR	
LOWER (%):	No data
UPPER (%):	No data
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	Water fog, carbon dioxide, foam, dry chemical.
FIRE FIGHTING PROCEDURES:	Product will melt and combustion may occur when exposed to fire. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Vapor or gas may spread to distant ignition sources and flash back. Containers can build up pressure if exposed to heat (fire). Use water spray to cool nearby containers and structures exposed to fire. DO NOT USE streams of water, as this will scatter the liquid and spread the fire.

6. ACCIDENTAL RELEASE MEASURES

<u>SPILL PROCEDURES:</u>	
SMALL SPILLS:	Reclaim as much as possible.
LARGE SPILLS:	Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.
PERSONAL PRECAUTIONS:	Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.
ENVIRONMENTAL PRECAUTIONS:	Keep out of drains, sewers, streams, or other bodies of water.
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Store in a cool, dry location away from incompatible materials. Avoid direct sunlight. Store in a well ventilated area. Store only in original container and keep closed. Avoid contact with eyes, skin and clothing. Do not breathe dusts or mists. Wash thoroughly after handling.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**PROTECTIVE EQUIPMENT:**

EXPOSURE CONTROLS:	Localized ventilation should be used to control dust levels.
RESPIRATORY PROTECTION:	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
PROTECTIVE GLOVES:	Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.
EYE PROTECTION:	Safety glasses are recommended to minimize eye contact.

OTHER PERSONAL PROTECTION EQUIPMENT:	Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.
VENTILATION:	General mechanical or local exhaust as needed to maintain exposure below TLV or PEL. Explosion-proof equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	White. Solid. Ammonia odor.	
BOILING POINT (F):	NA	(C) NA
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	Not determined	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	10.9 @ 4%	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Dioxide. Carbon Monoxide. Nitrogen oxides. Exposure to fire or flame may generate: Irritating fumes. Toxic fumes.
INCOMPATIBILITY (MATERIALS TO AVOID):	Oxidizing materials. Nitrites. Acids. Phenol. Hypochlorites (bleach.)
CONDITIONS/HAZARDS TO AVOID:	Extreme heat, direct sunlight.

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.
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14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
CYCLOHEXYLAMINE 108-91-8	10 - 30	Listed	Listed	Listed	Not Listed
MORPHOLINE 110-91-8	10 - 30	Listed	Listed	Listed	Not Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
CYCLOHEXYLAMINE 108-91-8	10 - 30	Not Listed	10000 lb RQ = 10000 lb TPQ	Not Listed
MORPHOLINE 110-91-8	10 - 30	Not Listed	Not Listed	Not Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
MORPHOLINE 110-91-8	10 - 30	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	<row><value>B3</value><value>D1B</value><value>E</value></row> B3

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:
CYCLOHEXYLAMINE 108-91-8	10 - 30	Listed
MORPHOLINE 110-91-8	10 - 30	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	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:
CYCLOHEXYLAMINE 108-91-8	10 - 30	Listed
MORPHOLINE 110-91-8	10 - 30	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	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:
CYCLOHEXYLAMINE 108-91-8	10 - 30	Listed
MORPHOLINE 110-91-8	10 - 30	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 30	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 ***

