



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 03/04/2015  
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REVISION NUMBER: 1

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **RLT-5200S**  
PRODUCT CODE: 119716

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

Health: 3/3 Fire: 2/2  
Reactivity: 1/1 Special/Protective Equipment: CORR/D

DISTRIBUTED BY: Rochester Midland Corporation Emergency Phone:  
155 Paragon Drive INFOTRAC: 1-800-535-5053  
Rochester, NY 14624 OUTSIDE US: 1-352-323-3500

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

**INGESTION:** Moderately toxic. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression.  
**SKIN CONTACT:** Causes severe skin irritation. May be absorbed through the skin and contribute to the symptoms listed under ingestion.  
**INHALATION:** High vapor levels cause respiratory irritation  
**EYE CONTACT:** Causes severe eye irritation. May cause corneal injury. May cause blindness.  
**CHRONIC EFFECTS:** Liver and kidney damage. May cause delayed lung damage.  
**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
MORPHOLINE 110-91-8	< 18	20 ppm	20 ppm 70 mg/m <sup>3</sup>
CYCLOHEXYLAMINE 108-91-8	< 18	10 ppm	Not applicable
2-DIETHYLAMINOETHANOL 100-37-8	< 15	2 ppm	10 ppm 50 mg/m <sup>3</sup>

### 4. FIRST AID MEASURES

**INGESTION:** If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.  
**SKIN:** Rinse thoroughly with water. Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation or burns develop.  
**INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**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

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<b>METHOD:</b>	Unknown
<b>FLAMMABLE LIMITS IN AIR</b>	
<b>LOWER (%):</b>	No data
<b>UPPER (%):</b>	No data
<b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b>	NO
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water. Dry chemical.
<b>FIRE FIGHTING PROCEDURES:</b>	Product will melt and combustion may occur when exposed to fire. Containers can build up pressure if exposed to heat (fire). Cool exposed containers with water spray. During fire, a water spray can scatter flames and should be used by experienced firefighters. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

### 6. ACCIDENTAL RELEASE MEASURES

#### **SPILL PROCEDURES:**

<b>SMALL SPILLS:</b>	Isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up absorbent material and put in suitable container for proper disposal.
<b>LARGE SPILLS:</b>	Keep away from heat, sparks, or flame. Dike to contain, reclaim all possible. Neutralize with citric acid or dilute acetic or mineral acids. Absorb onto sand, earth, or inert material. Hold for disposal.

<b>PERSONAL PRECAUTIONS:</b>	Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not applicable
<b>METHODS FOR CLEANING UP:</b>	Not applicable

### 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	Do not breathe dusts or mists. Avoid contact with eyes, skin and clothing. Keep away from heat and sources of ignition. Keep container closed when not in use. Store in a cool, dry location away from incompatible materials.
<b>OTHER PRECAUTIONS:</b>	No other spill procedures necessary.
<b>SPECIFIC USE(S):</b>	Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **PROTECTIVE EQUIPMENT:**



<b>EXPOSURE CONTROLS:</b>	Localized ventilation should be used to control dust levels.
<b>RESPIRATORY PROTECTION:</b>	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.
<b>EYE PROTECTION:</b>	Goggles and face shield are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Appropriate protective clothing as needed to prevent skin contact. 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.

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**VENTILATION:** Local exhaust ventilation recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** White. Solid. Amine odor.  
**BOILING POINT (F):** Not determined (C) Not determined  
**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:** 9.5

### 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Exposure to fire or flame may generate: Oxides of Carbon. Oxides of Nitrogen. Oxides of Sulfur. Oxides of Phosphorus.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Acids. Organic matter. Oxidizing materials. Nitrites.  
**CONDITIONS/HAZARDS TO AVOID:** Keep away from heat, sparks and flame.

### 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:
MORPHOLINE 110-91-8	< 18	Listed	Listed	Listed	Not Listed
CYCLOHEXYLAMINE 108-91-8	< 18	X	Listed	Listed	Not Listed
2-DIETHYLAMINOETHANOL 100-37-8	< 15	Listed	Listed	Listed	Not Listed
PRODUCT COMPOSITION CAS#	%	CERCLA:			

## RLT-5200S

CYCLOHEXYLAMINE 108-91-8	< 18	Not Listed	100 100
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The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

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

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

### 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 SDS \*\*\*