

RLT 44**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: RLT 44
Common Name: Mixture
SDS Number: 0445
Revision Date: 4/29/2015
Version: 1
Internal ID: 220H
Product Use: Condensate Return Line Treatment
Supplier Details: U. S. Water Services
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Acute toxicity, 3 Oral
Health, Skin corrosion/irritation, 1 B
Health, Acute toxicity, 3 Inhalation

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:**GHS Hazard Statements:**

H301 - Toxic if swallowed
H314 - Causes severe skin burns and eye damage
H331 - Toxic if inhaled

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P313 - Get medical advice/attention.
P352 - Wash with soap and water.
P331 - Do NOT induce vomiting.

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P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazards not otherwise classified (HNOC) or not covered by GHS

3 COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients:**

Cas#	%	Chemical Name
108-91-8	10-20	Cyclohexanamine
100-37-8	10-20	Diethylaminoethanol

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If symptoms persist, seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Consult a physician if irritation develops.

Eye Contact: Flush eyes with plenty of running water for several minutes. Seek medical attention if irritation persists.

Ingestion: If discomfort or other symptoms develop, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms & effects (acute & delayed): No data available

Indication of need for immediate medical attention: No data available

Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flammability: Non flammable

Flash Point: 187F

Flash Point Method: Tag Closed cup

Burning Rate: Not applicable

Autoignition Temp: Not applicable

LEL: Not applicable

UEL: Not applicable

Extinguishing Media

Suitable: Use extinguishing media suitable for surrounding fire

Unsuitable: No information available

Hazardous combustion products: Hazardous decomposition products formed under fire conditions- Carbon oxides, and other hazardous compounds

Unusual Fire or Explosion Hazards: Explosive air-vapor mixtures may form

Special protective equipment/precautions: Wear self-contained breathing apparatus

RLT 44**6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Keep away from children. Store in closed containers away from temperature extremes and incompatible materials.
Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment: HMIS PP, H | Splash Goggles, Gloves, Apron, Vapor Respirator

Respiratory protection: If needed use MSHA/NIOSH approved respirator.. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics. Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Exposure Limits:

USA OSHA (TWA)/PEL: Diethylaminoethanol 10 ppm (skin)

NIOSH (REL): Cyclohexamine 10 ppm

Diethylaminoethanol 10 ppm (skin)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to amber

Physical State: Liquid

Odor Threshold: Not applicable

Particle Size: Not applicable

Spec Grav./Density: 8.32 lb/gal

Viscosity: Not applicable

Boiling Point: Not applicable

Partition Coefficient: Not applicable

Vapor Pressure: Not applicable

Odor: Amine odor

Solubility: Complete

Freezing/Melting Pt.: Did not freeze

Flash Point: 187F

Vapor Density: Similar to water

VOC: 0% (w/w)

Bulk Density: Not applicable

UFL/LFL: Not applicable

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pH: 12.5-13.0
Evap. Rate: Not applicable
Decomp Temp: Not applicable

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal storage and use conditions.

Conditions to Avoid: Avoid temperature extremes. Protect from freezing

Materials to Avoid: Strong oxidizing agents, strong acids, strong bases, aldehydes, ketones, organic anhydrides, organic halides

Hazardous Decomposition: Thermal decomposition may produce carbon oxides and other toxic compounds.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: No data available
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available

12 ECOLOGICAL INFORMATION

Aquatic Toxicity No data available
Elimination (persistence & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with

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state and local regulations and disposal authorities.

14 **TRANSPORT INFORMATION**

UN1760, Corrosive liquids, n.o.s., 8, PGII, (Cyclohexylamine, Diethylaminoethanol)

DOT Transportation data (49 CFR 172.101)

15 **REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

Cyclohexanamine (108-91-8) [10-20] EHS302, HAP, MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

Diethylaminoethanol (100-37-8) [10-20] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

EHS302 = Extremely Hazardous Substance

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory

EPA / CERCLA / SARA TITLE III:

CERCLA List: This product does not contain any CERCLA listed hazardous substances.

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

SARA 312: Acute, Fire

RCRA: Corrosive, D002

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HMIS III: Health = 2, Fire = 2, Physical Hazard = 0
HMIS PPE: H - Splash Goggles, Gloves, Apron, Vapor Respirator

HMIS	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

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Revision Notes: Updated to GHS format

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