

MATERIAL SAFETY DATA SHEET

REVISION NUMBER: REVISION DATE: 04/19/2012

DATE PRINTED: 04/19/2012 PREPARED BY: **EH&S DEPARTMENT**

CHEMICAL PRODUCT

PRODUCT NAME: RLT-204, Steam Condensate Treatment

PRODUCT CODE:

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

Health: 2/2 Ω/Ω Reactivity: 0/0 **Special/Protective Equipment:** ALK/C

NAME OF THE Rochester Midland Corporation

MANUFACTURER: 155 Paragon Drive

Rochester, New York 14624

USA

Emergency Phone:

INFOTRAC: 1-800-535-5053 OUTSIDE US: 1-352-323-3500

HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May be harmful if swallowed. May be fatal if swallowed. May cause severe irritation. Causes

vomiting, nausea, and diarrhea. Abdominal pain. May cause burns to mucous membranes of

mouth, throat, and digestive tract.

SKIN CONTACT: Burning sensation may result May cause dryness and irritation.

INHALATION: Harmful if inhaled.

EYE CONTACT: May cause permanent eye damage. May cause corneal injury. May cause blindness. Causes

blurred vision. Causes redness and tearing.

CHRONIC EFFECTS: Dermatitis. Respiratory irritation.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP. If mixed with nitrites or other nitrosating agents, may

> form nitrosamines, which may cause cancer. (None expected in normal use of this product). Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

ROUTES OF ENTRY:

COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITIONS CAS#	TION %	ACGIH TLV	OSHA PELs
MORPHOLINE 110-91-8	40	20 ppm	20 ppm 70 mg/m ³

FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical

attention. Never give anything by mouth to an unconscious person.

Wash with soap and water. Remove contaminated clothing and launder before reuse. Get SKIN:

medical attention if irritation persists.

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: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least

15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

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FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None to boiling (C): None

to boiling

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): 10.8% UPPER (%): 18.0%

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: Fire-fighters should wear self-contained breathing apparatus and

full protective clothing when fighting chemical fires. Cool exposed

containers with water spray.

ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Flush with water.

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

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

HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN WARNING Store in a cool, dry area.

IN HANDLING AND STORAGE: Store in a well ventilated area. Do not store near heat, sparks or flame.

Keep container closed when not in use. Do not inhale vapors.

Avoid contact with eyes, skin and clothing. DO NOT pressurize, weld, or heat containers. Observe proper grounding procedures to prevent fire hazard from static accumulation and discharge. Vapors are heavier than air and may tend to collect in low or poorly ventilated areas

resulting in possible fire and/or inhalation hazard.

OTHER PRECAUTIONS: Empty containers may retain product residue, follow MSDS/label precautions even after

container is emptied. Do not reuse container.

SPECIFIC USE(S): Not applicable.

EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely. Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact. **PROTECTIVE GLOVES:** Goggles and face shield are recommended to minimize eye contact. **EYE PROTECTION:**

OTHER PERSONAL PROTECTION Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and **EQUIPMENT:** 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.

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. **VENTILATION:**

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Water white liquid. Mild amine odor.

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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): > 212° F

VAPOR PRESSURE: 11 mm Hg @ 70° F
VAPOR DENSITY (AIR=1): Not determined
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.00 @ 60° F
VOC Content (%): Not determined
EVAPORATION RATE: < (BuAc = 1) : 1.26

PH: 10.9

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: Ammonia. Oxides of Carbon. Oxides of Nitrogen. Oxides of mercury Toxic carbon-nitrogen

compounds.

INCOMPATIBILITY (MATERIALS TO

AVOID):

Do not mix with: Acids. Strong alkalies. Hypochlorites (bleach.) Strong oxidents, such as nitric acid, or hypochlorites. Avoid contact with aluminum, zinc, other soft metals or galvanized

(C) > 100° C

netals.

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 No data at this time

INFORMATION:

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	40	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
MORPHOLINE 110-91-8	40	Not Listed	Not Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
MORPHOLINE 110-91-8	40	Listed

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:
MORPHOLINE 110-91-8	40	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:
MORPHOLINE 110-91-8	40	Listed

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

PRODUCT COMPOSITION CAS#	%	PARTK:
MORPHOLINE 110-91-8	40	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 ***