



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012
DATE PRINTED: 02/09/2015

REVISION NUMBER: 2
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **CLT-407, Pitting and Corrosion Inhibitor (formerly CL-407S)**

PRODUCT CODE: 100830

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

Health: 2/2
Reactivity: 1/1

Fire: 0/0
Special/Protective Equipment: ALK/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

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

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes vomiting, nausea, and diarrhea. Severe burns to mucous membranes of mouth, throat and digestive tract. Moderately toxic.

SKIN CONTACT: Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION: Mists or vapors may cause nose and respiratory irritation, headache, nausea, dizziness. Possible tissue damage.

EYE CONTACT: Causes eye burns. Causes permanent eye damage. May cause blindness.

CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP. Under certain conditions, nitrites may react with secondary amines to form carcinogenic nitrosamines.

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
WATER 7732-18-5	70 - 80	Not applicable	Not applicable
SODIUM NITRITE 7632-00-0	20 - 30	Not applicable	Not applicable
Sodium pentaborate 12007-92-0	< 1	Not applicable	Not applicable
Sodium tolytriazole 64665-57-2	< 1	Not applicable	Not applicable
Sodium N-(1,2-dicarboxyethyl)-N-alkyl sulfosuccinamate 85004-37-1	< 1	Not applicable	Not applicable
Sodium lignosulfonate 8061-51-6	< 0.1	Not applicable	Not applicable
SODIUM HYDROXIDE 1310-73-2	< 0.1	Not applicable	2 mg/m ³

CLT-407, Pitting and Corrosion Inhibitor (formerly CL-407S)

4. 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.
SKIN:	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. 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:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. Remove contact lenses.
NOTES TO PHYSICIAN:	None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None (C): Not determined
METHOD:	None
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:	None required. Product is mostly water and will not burn.
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

<u>SPILL PROCEDURES:</u>	
SMALL SPILLS:	Mop up all possible. Rinse down drain.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.
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:	Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area. Store in a well ventilated area.
OTHER PRECAUTIONS:	Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	None normally required.
PROTECTIVE GLOVES:	Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION:	Goggles.

CLT-407, Pitting and Corrosion Inhibitor (formerly CL-407S)

OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact.
VENTILATION: General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear amber liquid. Mild odor.
BOILING POINT (F): 212° F (C) 100° C
VAPOR PRESSURE: As water
VAPOR DENSITY (AIR=1): As water
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.18
VOC Content (%): 0 (EPA Method 24)
EVAPORATION RATE: As water
PH: 12.0 - 12.5

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients.
CONDITIONS/HAZARDS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Oral Toxicity (Rat): 723 mg/kg body weight
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

CLT-407, Pitting and Corrosion Inhibitor (formerly CL-407S)

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
WATER 7732-18-5	70 - 80	Listed	Listed	Listed	Not Listed
SODIUM NITRITE 7632-00-0	20 - 30	Listed	Listed	Listed	Not Listed
Sodium pentaborate 12007-92-0	< 1	Not Listed	Not Listed	Not Listed	Not Listed
Sodium tolytriazole 64665-57-2	< 1	Listed	Listed	Listed	Not Listed
Sodium N-(1,2-dicarboxyethyl)-N-alkyl sulfosuccinamate 85004-37-1	< 1	Not Listed	Not Listed	Not Listed	Not Listed
Sodium lignosulfonate 8061-51-6	< 0.1	Listed	Listed	Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
WATER 7732-18-5	70 - 80	Not Listed	Not Listed	Not Listed
SODIUM NITRITE 7632-00-0	20 - 30	100 lb 45.4 kg	Not Listed	= 1.0 % de minimis concentration
Sodium pentaborate 12007-92-0	< 1	Not Listed	Not Listed	Not Listed
Sodium tolytriazole 64665-57-2	< 1	Not Listed	Not Listed	Not Listed
Sodium N-(1,2-dicarboxyethyl)-N-alkyl sulfosuccinamate 85004-37-1	< 1	Not Listed	Not Listed	Not Listed
Sodium lignosulfonate 8061-51-6	< 0.1	Not Listed	Not Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
WATER 7732-18-5	70 - 80	Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	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:
SODIUM NITRITE 7632-00-0	20 - 30	Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	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:
SODIUM NITRITE 7632-00-0	20 - 30	Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	Listed

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

CLT-407, Pitting and Corrosion Inhibitor (formerly CL-407S)

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM NITRITE 7632-00-0	20 - 30	Listed
SODIUM HYDROXIDE 1310-73-2	< 0.1	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 ***