



MATERIAL SAFETY DATA SHEET

REVISION DATE: 02/26/2013
DATE PRINTED: 02/26/2013

REVISION NUMBER: 5
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **CS-2000S, Cooling Water Treatment**

PRODUCT CODE: 119154

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

| | | | |
|-------------|-----|-------------------------------|--------|
| Health: | 2/2 | Fire: | 0/0 |
| Reactivity: | 0/0 | Special/Protective Equipment: | None/C |

| | | |
|---------------------------|--|--|
| 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: | Irritation of the mouth, throat, and stomach. |
| SKIN CONTACT: | Prolonged contact may lead to irritation and dermatitis. |
| INHALATION: | Causes irritation of the mouth, nose, and throat. |
| EYE CONTACT: | Product contact causes irritation. May Cause Eye Burns. |
| 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 |
|---|---------|----------------|----------------|
| Sodium Molybdate 10102-40-6 | 1 - 20 | Not applicable | Not applicable |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid, sodium salt 3794-83-0 | 1 - 10 | Not applicable | Not applicable |
| Sodium salt of Phosphono- butanetricarboxylic Acid 40372-66-5 | 1 - 10 | Not applicable | Not applicable |
| Sodium tolytriazole 64665-57-2 | 5 - 10 | Not applicable | Not applicable |
| Polymer/Solid 151006-66-5 | 15 - 25 | Not applicable | Not applicable |
| Sodium polyacrylate 9003-04-7 | 15 - 25 | Not applicable | Not applicable |

4. FIRST AID MEASURES

INGESTION: Drink several glasses of water or milk. DO NOT INDUCE VOMITING. Get immediate medical attention.

SKIN: Rinse thoroughly with water. Remove contaminated clothing and discard. Get medical attention.

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| | |
|----------------------------|---|
| 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 |
| 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. Dry chemical. | |
| FIRE FIGHTING PROCEDURES: | Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. | |

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

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|----------------------|--|
| SMALL SPILLS: | Reclaim as much as possible. Flush residue with water. |
| LARGE SPILLS: | Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers. Flush remainder with water. Hold for disposal. |

PERSONAL PRECAUTIONS:

Not applicable Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.

ENVIRONMENTAL PRECAUTIONS:

Not applicable

METHODS FOR CLEANING UP:

Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN

Avoid contact with skin and eyes. Keep container closed when not in use. Store in a cool, dry location away from incompatible materials.

IN HANDLING AND STORAGE:

No other spill procedures necessary.

OTHER PRECAUTIONS:

Not applicable.

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

PROTECTIVE GLOVES:

Chemical resistant gloves are recommended to minimize skin contact.

EYE PROTECTION:

Safety glasses are recommended to minimize eye contact.

OTHER PERSONAL PROTECTION

Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and

EQUIPMENT:

safety showers must be easily accessible.

VENTILATION:

General mechanical or local exhaust as needed to maintain exposure below TLV or PEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| | | | |
|------------------------|---|--------------------|--|
| APPEARANCE AND ODOR: | Tan. Brown. Solid. Characteristic odor. | | |
| BOILING POINT (F): | Not determined | (C) Not determined | |
| VAPOR PRESSURE: | Not determined | | |
| VAPOR DENSITY (AIR=1): | Not determined | | |
| SOLUBILITY IN WATER: | Complete | | |
| SPECIFIC GRAVITY: | Not applicable | | |
| VOC Content (%): | Not determined | | |
| EVAPORATION RATE: | Not determined | | |
| PH: | (1% solution) 8 - 9 | | |

10. STABILITY AND REACTIVITY

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|---------------------------------------|---|
| STABILITY DATA: | STABLE |
| POLYMERIZATION: | Will Not Occur. |
| HAZARDOUS DECOMPOSITION: | Oxides of Carbon. Oxides of Nitrogen. Oxides of Phosphorus. |
| INCOMPATIBILITY (MATERIALS TO AVOID): | Strong acids, bases and oxidizing agents. |
| CONDITIONS/HAZARDS TO AVOID: | None known. |

11. TOXICOLOGICAL INFORMATION

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|------------------------------|------------------|
| 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

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|-------------------------|--|
| 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

CS-2000S, Cooling Water Treatment

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|--|---------|------------|------------|-------------|-------------|
| Sodium Molybdate 10102-40-6 | 1 - 20 | Not Listed | Not Listed | Not Listed | Not Listed |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid, sodium salt 3794-83-0 | 1 - 10 | Listed | Listed | Listed | Not Listed |
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| Polymer/Solid 151006-66-5 | 15 - 25 | Listed | Not Listed | Listed | Not Listed |
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| PRODUCT COMPOSITION CAS# | % | CERCLA: | SARA 302: | SARA 313: |
|--|---------|------------|------------|------------|
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None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor 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 MSDS ***