



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 02/26/2013

REVISION NUMBER:

5

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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.

## CS-2000S, Cooling Water Treatment

### 4. FIRST AID MEASURES

<b>INHALATION:</b>	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.
<b>EYES:</b>	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
<b>NOTES TO PHYSICIAN:</b>	None.

### 5. FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	(F): Not determined    (C): Not determined
<b>METHOD:</b>	None
<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>	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>	Reclaim as much as possible. Flush residue with water.
<b>LARGE SPILLS:</b>	Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers. Flush remainder with water. Hold for disposal.

<b>PERSONAL PRECAUTIONS:</b>	Not applicable 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>	Avoid contact with skin and eyes. 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>	None known.
<b>RESPIRATORY PROTECTION:</b>	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Chemical resistant gloves are recommended to minimize skin contact.
<b>EYE PROTECTION:</b>	Safety glasses are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.
<b>VENTILATION:</b>	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

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

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.
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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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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
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
Sodium salt of Phosphono- butanetricarboxylic Acid 40372-66-5	1 - 10	Listed	Listed	Listed	Not Listed
Sodium tolytriazole 64665-57-2	5 - 10	Listed	Listed	Listed	Not Listed
Polymer/Solid 151006-66-5	15 - 25	Listed	Not Listed	Listed	Not Listed
Sodium polyacrylate 9003-04-7	15 - 25	Listed	Not Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium Molybdate 10102-40-6	1 - 20	Not Listed	Not Listed	Not Listed
1-Hydroxyethylidene-1, 1- diphosphonic acid, sodium salt 3794-83-0	1 - 10	Not Listed	Not Listed	Not Listed
Sodium salt of Phosphono- butanetricarboxylic Acid 40372-66-5	1 - 10	Not Listed	Not Listed	Not Listed
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Polymer/Solid 151006-66-5	15 - 25	Not Listed	Not Listed	Not Listed
Sodium polyacrylate 9003-04-7	15 - 25	Not Listed	Not Listed	Not Listed

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 \*\*\*