



# SAFETY DATA SHEET

Revision Date 04/29/2015

REVISION NUMBER: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** CS-2200S, Cooling Water Treatment

### Other means of identification

**Product code** 119155

**Synonyms** NONE

### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Rochester Midland Corporation  
155 Paragon Drive  
Rochester, New York 14624 USA

### Emergency telephone number

**EMERGENCY TELEPHONE** INFOTRAC: 1-800-535-5053  
OUTSIDE U.S.: +1-352-323-3500  
CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral

Category 4

### Label elements

#### **Emergency Overview**

#### **WARNING**

#### **Hazard statements**

Harmful if swallowed



**Appearance** Tan Light Brown

**Physical state** Solid

**Odor** Characteristic

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

No information available

**Other Information****3. COMPOSITION/INFORMATION ON INGREDIENTS**

| PRODUCT COMPOSITION                                               | CAS No.     | %       | TRADE SECRET |
|-------------------------------------------------------------------|-------------|---------|--------------|
| Sodium tolyltriazole                                              | 64665-57-2  | 5 - 10  | *            |
| Sodium molybdate                                                  | 7631-95-0   | 10 - 15 | *            |
| Phosphonic acid, reaction products with maleic acid, sodium salts | 180513-31-9 | 5 - 10  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Eye contact**

IF IN EYES: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

IF ON SKIN: Wash with soap and water.

**Inhalation**

IF INHALED: Remove to fresh air.

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

**Most important symptoms and effects, both acute and delayed****Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray or fog; do not use straight streams.

**Small Fire**

NOTE: Solid product will melt and combustion may occur when exposed to fire.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.**Specific hazards arising from the chemical**

No information available.

**Explosion data****Sensitivity to Mechanical Impact** NONE.**Sensitivity to Static Discharge** NONE.**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Toxic vapors are emitted in a fire condition. Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Heat, flames and sparks. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information. Keep out of drains, sewers, streams, or other bodies of water.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Store only in original container and keep closed. Do not reuse container.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in accordance with local regulations. Store only in original container and keep closed. Protect from sunlight. Store in a well-ventilated place. Store in a cool, dry location away from incompatible materials. Do not contaminate water, food, or feed. Do not store near oxidizing agents. Store away from acids. Keep container tightly closed.

**Incompatible materials** Oxidizing materials. Acids. Reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

| PRODUCT COMPOSITION           | ACGIH TLV                                            | OSHA PEL                                                             | NIOSH IDLH             |
|-------------------------------|------------------------------------------------------|----------------------------------------------------------------------|------------------------|
| Sodium molybdate<br>7631-95-0 | TWA: 0.5 mg/m <sup>3</sup> Mo<br>respirable fraction | (vacated) TWA: 5 mg/m <sup>3</sup> Mo<br>TWA: 5 mg/m <sup>3</sup> Mo | 1000 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**ENGINEERING CONTROLS** Showers  
Eyewash stations  
Ventilation systems. Explosion-proof equipment.

**Individual protection measures, such as personal protective equipment**

|                                 |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | Goggles.                                                                                                           |
| <b>Skin and body protection</b> | Wear protective gloves and protective clothing. Appropriate protective clothing as needed to prevent skin contact. |
| <b>RESPIRATORY PROTECTION</b>   | Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.                       |

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|                                      |                          |                         |                          |
|--------------------------------------|--------------------------|-------------------------|--------------------------|
| <b>Physical state</b>                | Solid                    | <b>Odor</b>             | Characteristic           |
| <b>Appearance</b>                    | Tan Light Brown          | <b>Odor threshold</b>   | No information available |
| <b>Color</b>                         | No information available |                         |                          |
| <b>Property</b>                      | <b>Values</b>            | <b>Remarks • Method</b> |                          |
| <b>pH</b>                            | 7.5                      | (1% solution)           |                          |
| <b>Melting point/freezing point</b>  | No information available |                         |                          |
| <b>Boiling point / boiling range</b> | No information available |                         |                          |
| <b>Flash point</b>                   | No information available |                         |                          |
| <b>Evaporation rate</b>              | No information available |                         |                          |
| <b>Flammability (solid, gas)</b>     | No information available |                         |                          |
| <b>Flammability Limit in Air</b>     |                          |                         |                          |
| <b>Upper flammability limit:</b>     | No information available |                         |                          |
| <b>Lower flammability limit:</b>     | No information available |                         |                          |
| <b>Vapor pressure</b>                | No information available |                         |                          |
| <b>Vapor density</b>                 | No information available |                         |                          |
| <b>Specific gravity</b>              | No information available |                         |                          |
| <b>Water solubility</b>              | COMPLETE                 |                         |                          |
| <b>Solubility in other solvents</b>  | No information available |                         |                          |
| <b>Partition coefficient</b>         | No information available |                         |                          |
| <b>Autoignition temperature</b>      | No information available |                         |                          |
| <b>Decomposition temperature</b>     | No information available |                         |                          |
| <b>Kinematic viscosity</b>           | No information available |                         |                          |
| <b>Dynamic viscosity</b>             | No information available |                         |                          |
| <b>Explosive properties</b>          | No information available |                         |                          |
| <b>Oxidizing properties</b>          | No information available |                         |                          |

**Other Information**

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Softening point</b>          | No information available |
| <b>VOC (EPA METH.24) (G/L):</b> | No information available |
| <b>Density</b>                  | No information available |
| <b>Bulk density</b>             | No information available |

**10. STABILITY AND REACTIVITY****REACTIVITY**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**CONDITIONS TO AVOID**

Extremes of temperature and direct sunlight.

**Incompatible materials**

Oxidizing materials. Acids. Reducing agents.

**Hazardous Decomposition Products**

carbon monoxide. Oxides of Sodium. Oxides of Nitrogen.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                            |                       |
|----------------------------|-----------------------|
| <b>Product Information</b> | Harmful if swallowed  |
| <b>Inhalation</b>          | No data available.    |
| <b>Eye contact</b>         | No data available.    |
| <b>Skin contact</b>        | No data available.    |
| <b>Ingestion</b>           | Harmful if swallowed. |

| PRODUCT COMPOSITION           | Oral LD50            | Dermal LD50 | Inhalation LC50                      |
|-------------------------------|----------------------|-------------|--------------------------------------|
| Sodium molybdate<br>7631-95-0 | = 4000 mg/kg ( Rat ) | -           | > 2080 mg/m <sup>3</sup> ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| PRODUCT COMPOSITION           | ACGIH | IARC | NTP | OSHA |
|-------------------------------|-------|------|-----|------|
| Sodium molybdate<br>7631-95-0 | A3    | -    | -   | -    |

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**OTHER ADVERSE EFFECTS:** Not applicable.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity****Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Do not reuse container.                                                                             |

**14. TRANSPORT INFORMATION**

**Proper shipping name** Not Regulated by DOT

**15. REGULATORY INFORMATION****International Inventories**

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Does not Comply |
| <b>ENCS</b>          | Does not Comply |
| <b>IECSC</b>         | Does not Comply |
| <b>KECL</b>          | Does not Comply |
| <b>PICCS</b>         | Does not Comply |
| <b>AICS</b>          | Does not Comply |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                          |     |
|------------------------------------------|-----|
| <b>ACUTE HEALTH HAZARD</b>               | YES |
| <b>CHRONIC HEALTH HAZARD</b>             | No  |
| <b>FIRE HAZARD</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>REACTIVE HAZARD</b>                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| PRODUCT COMPOSITION           | NJRTK: | MARTK: | PARTK: |
|-------------------------------|--------|--------|--------|
| Sodium molybdate<br>7631-95-0 | Listed |        |        |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION****NFPA**

Health hazards 2

Flammability 0

Instability 0

Physical and Chemical Properties -

**HMIS**

Health hazards 0

Flammability 0

Physical hazards 0

Personal protection X

Prepared By

EH&S DEPARTMENT

Revision Date

04/29/2015

Revision Note

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

\*\*\* END OF SDS \*\*\*