



## **MATERIAL SAFETY DATA SHEET**

**REVISION DATE:** 04/19/2012  
**DATE PRINTED:** 04/19/2012

**REVISION NUMBER:** 1      **PREPARED BY:** EH&S DEPARTMENT

## 1. CHEMICAL PRODUCT

**PRODUCT NAME: CS-24, Corrosion and Scale Inhibitor**

**PRODUCT CODE:** 100980

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

**Health:** 2/2  
**Reactivity:** 1/1

**Fire:** 0/0

0/0

**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, nausea, vomiting and possible dizziness. May be harmful if swallowed.  
**SKIN CONTACT:** Repeated or prolonged contact may irritate moderately.  
**INHALATION:** Inhalation of spray mist may be irritating.  
**EYE CONTACT:** Causes moderate eye irritation.  
**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 HYDROXIDE 1310-73-2	< 2.5	Not applicable	2 mg/m <sup>3</sup>

#### **4. FIRST AID MEASURES**

**INGESTION:** DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Contact Physician.  
**SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.  
**INHALATION:** Move person to fresh air. Aid breathing if necessary.  
**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.

## 5. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** (F): None (C): None

## METHOD: TCC

## 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:	As for surrounding fire. Product will not burn.
FIRE FIGHTING PROCEDURES:	None.

## 6. 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. 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: Avoid contact with skin and eyes.

OTHER PRECAUTIONS: Keep out of reach of children.

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: Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

EYE PROTECTION: Goggles and face shield are recommended to minimize eye contact.

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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear brown liquid. Mild odor.

BOILING POINT (F): 212° F (C) 100° C

VAPOR PRESSURE: 15.7 mm Hg @ 22.2° C

VAPOR DENSITY (AIR=1): 0.625

SOLUBILITY IN WATER: Not determined

SPECIFIC GRAVITY: 1.22 @ 70° F

VOC Content (%): NE

EVAPORATION RATE: (BuAc = 1) : 1.26

PH: 11.0 - 13.5

## 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

**10. STABILITY AND REACTIVITY**

**HAZARDOUS DECOMPOSITION:** If evaporated to dryness, as in a fire, may release: Oxides of Carbon. Oxides of Nitrogen. Oxides of Phosphorus.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Do not mix with acidic materials. Neutralizes active ingredients.

**CONDITIONS/HAZARDS TO AVOID:** None.

**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.

**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:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	< 2.5	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	< 2.5	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 HYDROXIDE 1310-73-2	< 2.5	Listed

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

## CS-24, Corrosion and Scale Inhibitor

PRODUCT COMPOSITION CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed

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

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM HYDROXIDE 1310-73-2	< 2.5	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 \*\*\*