



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012

REVISION NUMBER:

6

DATE PRINTED: 04/19/2012

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **BFW-31, Corrosion and Scale Inhibitor**
PRODUCT CODE: 100320

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

Health: 3/3

Fire: 0/0

Reactivity: 1/1

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: Severe burns to mucous membranes of mouth, throat and digestive tract. May cause allergic reaction in sulfite sensitive individuals.

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

INHALATION: None in normal use. Inhalation of spray mist may be irritating. Possible tissue damage. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure.

EYE CONTACT: May cause permanent eye damage. May cause blindness. Causes severe 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 HYDROXIDE 1310-73-2	5 max.	Not applicable	2 mg/m ³
Sodium sulfite 7757-83-7	5 - 10	Not applicable	Not applicable
Sodium polymetaphosphate 10124-56-8	1 - 5	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.

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.

BFW-31, Corrosion and Scale Inhibitor

4. FIRST AID MEASURES

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None (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: 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: Store only in original container and keep closed. Avoid contact with skin and eyes.
OTHER PRECAUTIONS: When used in systems providing humidification, the concentration of diethylaminoethanol may not exceed 10 ppm in the air.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: None known.
RESPIRATORY PROTECTION: None normally required.
PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION: Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact.
VENTILATION: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear. Dark brown liquid. Mild odor.
BOILING POINT (F): 212° F (C) Not determined
VAPOR PRESSURE: 15.7 mm Hg @ 22.2° C
VAPOR DENSITY (AIR=1): 0.625
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.180

9. PHYSICAL AND CHEMICAL PROPERTIES

VOC Content (%): NE
 EVAPORATION RATE: (BuAc = 1) : 1.26
 PH: 13 - 14

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
 POLYMERIZATION: Will Not Occur.
 HAZARDOUS DECOMPOSITION: Hydrogen halides
 INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source.
 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	5 max.	Listed	Listed	Listed	Not Listed
Sodium sulfite 7757-83-7	5 - 10	Listed	Listed	Listed	Not Listed
Sodium polymetaphosphate 10124-56-8	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	5 max.	1000 lb 454 kg	Not Listed	Not Listed
Sodium sulfite 7757-83-7	5 - 10	Not Listed	Not Listed	Not Listed
Sodium polymetaphosphate 10124-56-8	1 - 5	2270 kg 5000 lb	Not Listed	Not Listed

BFW-31, Corrosion and Scale Inhibitor

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	5 max.	Listed
Sodium sulfite 7757-83-7	5 - 10	Listed
Sodium polymetaphosphate 10124-56-8	1 - 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	5 max.	Listed
Sodium polymetaphosphate 10124-56-8	1 - 5	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 HYDROXIDE 1310-73-2	5 max.	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	5 max.	Listed
Sodium polymetaphosphate 10124-56-8	1 - 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 ***