



## MATERIAL SAFETY DATA SHEET

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

REVISION NUMBER: 2  
PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **BFW-5, Corrosion and Scale Inhibitor (formerly BFW-5G)**  
PRODUCT CODE: 100370

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      Emergency Phone:  
155 Paragon Drive                      INFOTRAC: 1-800-535-5053  
Rochester, New York 14624            OUTSIDE US: 1-352-323-3500  
USA

### 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: Inhalation of spray mist may be irritating. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure. None in normal use.  
EYE CONTACT: Causes severe eye burns. May cause permanent eye damage. May cause blindness.  
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
POTASSIUM HYDROXIDE 1310-58-3	5 max.	Not applicable	Not applicable

### 4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.  
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: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.  
EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.  
NOTES TO PHYSICIAN: None.

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### 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None (C): None
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:	Use an approved NIOSH full-face air supplied respirator if TLV/PEL's are 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:	None required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear. Dark 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:	1.212	
VOC Content (%):	Not determined	

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE: (BuAc=1) : 1.26  
PH: 13.0 - 14.0

### 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE  
POLYMERIZATION: Will Not Occur.  
HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, may release: Soot. Carbon Monoxide. Carbon Dioxide. Oxides of Sulfur.  
INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with: Acids. Neutralizes active ingredients. May release sulfur dioxide. 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:
POTASSIUM HYDROXIDE 1310-58-3	5 max.	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
POTASSIUM HYDROXIDE 1310-58-3	5 max.	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
POTASSIUM HYDROXIDE 1310-58-3	5 max.	Listed

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

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<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>MARTK:</b>
POTASSIUM HYDROXIDE 1310-58-3	5 max.	Listed

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

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>NJRTK:</b>
POTASSIUM HYDROXIDE 1310-58-3	5 max.	Listed

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

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>PARTK:</b>
POTASSIUM HYDROXIDE 1310-58-3	5 max.	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 \*\*\***