

MATERIAL SAFETY DATA SHEET

 REVISION DATE:
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PREPARED BY:

EH&S DEPARTMENT

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1. CHEMICAL PRODUCT

PRODUCT	NAME:
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BFW-3300S, Boiler Water Treatment

PRODUCT CODE:

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

Health:	2/2	Fire:	tive Equipment:	0/0
Reactivity:	0/0	Special/Protec		None/C
NAME OF THE MANUFACTURER:		Rochester Midland Corporation 155 Paragon Drive Rochester, New York 14624 USA	Emergency Phone: INFOTRAC: 1-8 OUTSIDE US: 1	00-535-5053

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:	Causes burns of the mouth, throat and stomach. May cause tissue damage.
SKIN CONTACT:	Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.
INHALATION:	Causes irritation of the mouth,nose,and throat.
EYE CONTACT:	Causes eye burns. May cause permanent eye damage.
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	15 - 25	Not applicable	2 mg/m ³

4. FIRST AID MEASURES

INGESTION:	Drink several glasses of water or milk. DO NOT INDUCE VOMITING. Get immediate medical attention.
SKIN:	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.
INHALATION:	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.
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

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FLASH POINT:	(F): Not determined (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:	Carbon Dioxide, Dry Chemicals, Foam.	
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.	

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material. Flush with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.
DEDSONAL DECALITIONS	Not applicable

PERSONAL PRECAUTIONS:Not applicableENVIRONMENTAL PRECAUTIONS:Not applicableMETHODS FOR CLEANING UP:Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN	Avoid contact with skin and eyes. Keep container closed when not in use. Store in a cool, dry
IN HANDLING AND STORAGE:	area.

OTHER PRECAUTIONS: SPECIFIC USE(S): No other spill procedures necessary. Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: None known. **RESPIRATORY PROTECTION:** If product is used in a manner which creates vapor or mist above recommended exposure limits, a NIOSH/MSHA approved organic respirator may be needed in the absence of proper environmental controls. **PROTECTIVE GLOVES:** Neoprene. Rubber gloves. **EYE PROTECTION:** Face shield. Goggles. **OTHER PERSONAL PROTECTION** Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and EQUIPMENT: safety showers must be easily accessible. **VENTILATION:** General mechanical or local exhaust as needed to maintain exposure below TLV or PEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY IN WATER: Complete SPECIFIC GRAVITY: Not applicable VOC Content (%): Not determined EVAPORATION RATE: Not determined	SPECIFIC GRAVITY: VOC Content (%):	Not applicable Not determined	(C) Not determined
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PHYSICAL AND CHEMICAL PROPERTIES 9. PH:

(1% solution) 11.8

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** Strong acids and oxidizers. Magnesium Aluminum. Zinc AVOID): CONDITIONS/HAZARDS TO AVOID: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established EFFECTS OF CHRONIC EXPOSURE: Not established. **OTHER TOXIC EFFECTS:** Not established.

ECOLOGICAL INFORMATION 12.

ECOTOXICOLOGICAL No data at this time **INFORMATION: 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	15 - 25	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	15 - 25	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	15 - 25	Listed

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

PRODUCT COMPOSITION	%	MARTK:
CAS#		
SODIUM HYDROXIDE 1310-73-2	15 - 25	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	15 - 25	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	15 - 25	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 ***