



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012

REVISION NUMBER: 2

DATE PRINTED: 04/19/2012

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **BFW-104, Cocentrated Chelant Boiler**

PRODUCT CODE: 100310

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: 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: Contains an ingredient which has been determined by NTP to be an animal carcinogen with no known relevance to humans.
CARCINOGENIC INGREDIENTS: Nitrilotriacetic acid (Nta) and its trisodium salt (Na3Nta) were tested for carcinogenicity. Both were shown to be carcinogenic to the urinary tract and kidneys of mice and rats in long-term feeding studies. Trisodium nitrilotriacetic acid was also found to be carcinogenic to the kidneys of male albino rats when administered in drinking water in a separate study. The National Toxicology Program (NTP) has classified both of these substances as probable human carcinogens (NTP 1985).
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	< 1	Not applicable	2 mg/m ³
Trisodium nitrilotriacetate 5064-31-3	> 1	Not applicable	Not applicable

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.

BFW-104, Cocentrated Chelant Boiler

4. FIRST AID MEASURES

NOTES TO PHYSICIAN: None.

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: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

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. Store only in original container and keep closed.

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: None normally required. NIOSH approved respirator if spray mist in air causes irritation.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION: Safety Glasses. Goggles.

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

VENTILATION: General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear. Hazy. Amber liquid.
BOILING POINT (F): 212° F (C) 100° F
VAPOR PRESSURE: As water
VAPOR DENSITY (AIR=1): As water
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.290 - 1.316

BFW-104, Cocentrated Chelant Boiler

9. PHYSICAL AND CHEMICAL PROPERTIES

VOC Content (%): 0 (EPA Method 24)
EVAPORATION RATE: As water
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, material may burn, releasing: Carbon Monoxide. Sulfur dioxide. Nitrogen oxides.
INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients. May release sulfur dioxide.
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	< 1	Listed	Listed	Listed	Not Listed
Trisodium nitrilotriacetate 5064-31-3	> 1	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	< 1	1000 lb 454 kg	Not Listed	Not Listed
Trisodium nitrilotriacetate 5064-31-3	> 1	Not Listed	Not Listed	Not Listed

BFW-104, Cocentrated Chelant Boiler

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	< 1	Listed
Trisodium nitrilotriacetate 5064-31-3	> 1	D2A

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	< 1	Listed
Trisodium nitrilotriacetate 5064-31-3	> 1	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	< 1	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	< 1	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 ***