



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012

REVISION NUMBER: 2

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **MIDFLOC 1803L**

PRODUCT CODE: 118058

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

Health: 2/2

Fire: 0/0

Reactivity: 0/0

Special/Protective Equipment: Acid/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: Low toxicity in small quantities. Large quantities may cause burns to digestive tract and stomach irritation.

SKIN CONTACT: Prolonged contact may lead to irritation and dermatitis.

INHALATION: Mists are irritating to mucous membranes, respiratory tract, and lung tissue.

EYE CONTACT: Very irritating and corrosive to the eyes. May cause severe irritation or burns to the mucous membrane lining of the inner surfaces of the eyelids.

CHRONIC EFFECTS: Dermatitis. Respiratory irritation.

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
Ferric Sulfate 10028-22-5	35 - 45	0.1 mg/m ³ as persulfate (TWA); 1 mg/m ³ as Fe (TWA)	1 mg/m ³ Fe (TWA)

4. FIRST AID MEASURES

INGESTION: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Wash with soap and water. Get medical attention if irritation persists.

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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(F): No applicable (C): No applicable

METHOD:

None

FLAMMABLE LIMITS IN AIR**LOWER (%):**

No applicable

UPPER (%):

No applicable

SENSITIVITY TO MECHANICAL IMPACT(Y/N):**SENSITIVITY TO STATIC DISCHARGE:**

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Toxic vapors are emitted in a fire condition. 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.

LARGE SPILLS:

Dike to contain, reclaim all possible. Neutralize with lime, soda ash, or sodium bicarbonate. If spill is equal to or in excess of the RQ, then the National Response Center(800-424-8802) and the appropriate state and local agencies must be notified.

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:**

Product is corrosive to cast iron, cast bronze, copper and its alloys, and galvanized steel. Product is corrosive to aluminum. Product is corrosive to concrete. If may be stored in fiberglass, plastics, rubber or type 316 or better grades of steel.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**PROTECTIVE EQUIPMENT:****EXPOSURE CONTROLS:**

Use in a well ventilated area.

RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

PROTECTIVE GLOVES:

Rubber gloves. Neoprene.

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.

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:**

Dark reddish-brown solution. Mild odor.

BOILING POINT (F):

218° F

(C) Not applicable

VAPOR PRESSURE:

No data

VAPOR DENSITY (AIR=1):

No data

SOLUBILITY IN WATER:

Not applicable

SPECIFIC GRAVITY:

1.40 - 1.68

VOC Content (%):

Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE: No data
 PH: < 1 (1% solution)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
 POLYMERIZATION: Will Not Occur.
 HAZARDOUS DECOMPOSITION: Does not decompose under normal conditions of use. When heated to decomposition: Sulfur dioxide. Iron fumes Are produced.
 INCOMPATIBILITY (MATERIALS TO AVOID): Contact with metals. Cast iron. Cast bronze. Brass. 304SS HastelloyB Galvanized steel. Aluminum. Paints, enamels and concrete.
 CONDITIONS/HAZARDS TO AVOID: Open flames. Avoid forming product mists.

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

Bill of Lading Statement

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Ferric Sulfate 10028-22-5	35 - 45	Listed	Not Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Ferric Sulfate 10028-22-5	35 - 45	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Ferric Sulfate 10028-22-5	35 - 45	Listed

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

MIDFLOC 1803L

PRODUCT COMPOSITION CAS#	%	MARTK:
Ferric Sulfate 10028-22-5	35 - 45	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:
Ferric Sulfate 10028-22-5	35 - 45	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:
Ferric Sulfate 10028-22-5	35 - 45	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 ***