



MATERIAL SAFETY DATA SHEET

REVISION DATE: 02/11/2013

REVISION NUMBER:

4

DATE PRINTED: 02/11/2013

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **MIDFLOC® 1338E, Cationic Flocculant Emulsion**

PRODUCT CODE: 103340

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

Health: 1/1

Fire: 1/1

Reactivity: 0/0

Special/Protective Equipment: None/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: Aspiration of ingested or vomited liquid into the lungs may cause chemical pneumonia, which can be fatal. Swallowing large amounts causes kidney damage.

SKIN CONTACT: Causes moderate skin irritation.

INHALATION: None in normal use. Inhalation of spray mist may be irritating.

EYE CONTACT: Causes moderate eye irritation.

CHRONIC EFFECTS: None specific.

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
Petroleum distillate 64742-47-8	<25	Not applicable	Not applicable
Ethylene glycol 107-21-1	<5	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate 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 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

FLASH POINT:	(F): > 200° (C): >93°
METHOD:	(SETA Flash cc)
FLAMMABLE LIMITS IN AIR	
LOWER (%):	No data
UPPER (%):	No data
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	Water. Dry chemical. Carbon dioxide.
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Mop up or soak up immediately.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Keep out of drains, sewers, streams, or other bodies of water. Be aware of potential for surfaces to become slippery.

PERSONAL PRECAUTIONS:	Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.
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ENVIRONMENTAL PRECAUTIONS:	Not applicable
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METHODS FOR CLEANING UP:	Not applicable
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7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Store in a cool, dry area. Keep container closed when not in use. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep from freezing. Do not store near heat, sparks or flame.
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OTHER PRECAUTIONS:	Use only with sufficient ventilation.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	None known.
RESPIRATORY PROTECTION:	NIOSH approved respirator if spray mist in air causes irritation.
PROTECTIVE GLOVES:	Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Safety glasses 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:	Local exhaust ventilation recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Pale, milky white liquid with a characteristic hydrocarbon odor.
BOILING POINT (F):	212° (C) 100°
VAPOR PRESSURE:	< (10 mm Hg @ 77° F)

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9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1): >1
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.03
VOC Content (%): Not determined
EVAPORATION RATE: < (n-BuAc = 1)
PH: 6 - 8

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Ammonia. Carbon Dioxide. Carbon Monoxide. Hydrogen chloride gas. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials. Do not use iron, copper, or aluminum for storage or delivery system.
CONDITIONS/HAZARDS TO AVOID: Temperature over 200° F. Temperatures below 32° F.

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:
Petroleum distillate 64742-47-8	<25	Listed	Listed	Listed	Not Listed
Ethylene glycol 107-21-1	<5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Petroleum distillate 64742-47-8	<25	Not Listed	Not Listed	Not Listed
Ethylene glycol 107-21-1	<5	2270 kg 5000 lb	Not Listed	= 1.0 % de minimis concentration

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Ethylene glycol 107-21-1	<5	<row><value>D2A</value></row> 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:
Ethylene glycol 107-21-1	<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:
Ethylene glycol 107-21-1	<5	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:
Ethylene glycol 107-21-1	<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 ***