



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/21/2009
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REVISION NUMBER: 1
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **MIDFLOC 2313E, Liquid Anionic Polyacrylamide**
PRODUCT CODE: 119131

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

Health: 2/2 Fire: 1/1
Reactivity: 0/0 Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Harmful if swallowed.
SKIN CONTACT: Causes moderate skin irritation.
INHALATION: Causes irritation of the mouth,nose,and throat.
EYE CONTACT: Causes moderate eye irritation.
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
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	35 - 45	No applicable	No applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Call a physician or Poison Control Center immediately.
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, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): 200° F (C): > 93.3° C
METHOD: COC

FLAMMABLE LIMITS IN AIR

MIDFLOC 2313E, Liquid Anionic Polyacrylamide

- LOWER (%): N/A
- UPPER (%): N/A

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Use water spray to cool nearby containers and structures exposed to fire. 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 residue with water.

LARGE SPILLS:

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Caution: Avoid contact with skin and eyes. Wash thoroughly after handling. Do not use iron, copper, or aluminum containers or equipment.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

PROTECTIVE GLOVES:

Impermeable latex gloves.

EYE PROTECTION:

Safety Glasses. Goggles. Face shield.

**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:

Grey. White. Viscous liquid. Ammonia odor.

BOILING POINT (F):

212° F

(C) ~ 100° C

VAPOR PRESSURE:

NA

VAPOR DENSITY (AIR=1):

NA

SOLUBILITY IN WATER:

Limited

SPECIFIC GRAVITY:

~ 1

VOC Content (%):

NA

VOV Content (%):

~ 60

EVAPORATION RATE:

NA

PH:

6 - 8 (upon dilution in water)

10. STABILITY AND REACTIVITY

MIDFLOC 2313E, Liquid Anionic Polyacrylamide

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Ammonia. Carbon Dioxide. Carbon Monoxide. Oxides of Nitrogen. Hydrochloric Acid.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidents, such as nitric acid, or hypochlorites.
CONDITIONS/HAZARDS TO AVOID: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

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:
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	35 - 45	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	35 - 45	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

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 ***