



MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008
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REVISION NUMBER: 3
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **MIDFLOC 1364E**
PRODUCT CODE: 118114

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: Causes vomiting, nausea, and diarrhea. Irritation. Aspiration of ingested or vomited liquid into the lungs may cause chemical pneumonia, which can be fatal. Low toxicity.
SKIN CONTACT: Causes moderate skin irritation.
INHALATION: None in normal use. Inhalation of spray mist may be irritating.
EYE CONTACT: Causes moderate eye irritation. Possible tissue damage.
CHRONIC EFFECTS: None expected in normal use.
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 max.	No applicable	No applicable
Cationic polyacrylamide - eye and skin irritant 69418-26-4	1 min.	No applicable	No applicable
ADIPIC ACID 124-04-9	< 2	5 mg/m ³	NA
Nonyl phenol ethoxylate 9016-45-9	< 2	NA	NA

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 or burns develop.
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 F (PMCC) (C): NA
METHOD: PMCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): 1.3%
- UPPER (%): 8.1%

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Dry chemical. Foam. Water.

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.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:

Avoid contact with skin and eyes. Do not store near heat, sparks or flame. Observe proper grounding procedures to prevent fire hazard from static accumulation and discharge. Store in a cool, dry area. Keep from freezing. Keep container closed when not in use.

OTHER PRECAUTIONS:

Use only with sufficient ventilation.

SPECIFIC USE(S):

NA

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

EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

PROTECTIVE GLOVES:

Chemical resistant gloves.

EYE PROTECTION:

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. Recommended in confined space or if mixture is heated or agitated. Use non-sparking equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Off-white. Opaque. Emulsion. Hydrocarbon odor.

BOILING POINT (F):

442 F (< 1 @ 68 F)

(C) NA

VAPOR PRESSURE:

17.35 mm/Hg @ 20° C

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1): > 1
SOLUBILITY IN WATER: NA
SPECIFIC GRAVITY: 1.04 @ 77 F
VOC Content (%): 0
VOV Content (%): NE
EVAPORATION RATE: < 1 (n-BuAc = 1)
PH: 5.5 - 6.0 (1% solution)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Hydrogen halides
INCOMPATIBILITY (MATERIALS TO AVOID): Contact with water forms a gel at product solids content greater than 10%. 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: 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:
Petroleum distillate 64742-47-8	25 max.	Puesto en Lista	Puesto en Lista	Puesto en Lista	Not Listed
Cationic polyacrylamide - eye and skin irritant 69418-26-4	1 min.	Puesto en Lista	No Puesto en Lista	Puesto en Lista	Not Listed
ADIPIC ACID 124-04-9	< 2	Listed	Listed Listed	Listed	Not Listed
Nonyl phenol ethoxylate 9016-45-9	< 2	Puesto en Lista	No Puesto en Lista	Puesto en Lista	Not Listed

MIDFLOC 1364E

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Petroleum distillate 64742-47-8	25 max.	Not Listed	Not Listed	Not Listed
Cationic polyacrylamide - eye and skin irritant 69418-26-4	1 min.	Not Listed	Not Listed	Not Listed
ADIPIC ACID 124-04-9	< 2	2270 kg 5000 lb	Not Listed	Not Listed
Nonyl phenol ethoxylate 9016-45-9	< 2	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Nonyl phenol ethoxylate 9016-45-9	< 2	Puesto en Lista

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:
ADIPIC ACID 124-04-9	< 2	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:
ADIPIC ACID 124-04-9	< 2	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:
ADIPIC ACID 124-04-9	< 2	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 ***