



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012  
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REVISION NUMBER: 2  
PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

**PRODUCT NAME:** MIDFLOC PW-1304L, Cationic Flocculant Liquid

**PRODUCT CODE:** 103460

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

<b>Health:</b>	1/1	<b>Fire:</b>	0/0
<b>Reactivity:</b>	0/0	<b>Special/Protective Equipment:</b>	None/B

<b>NAME OF THE MANUFACTURER:</b>	Rochester Midland Corporation 155 Paragon Drive Rochester, New York 14624 USA	<b>Emergency Phone:</b> INFOTRAC: 1-800-535-5053 <b>OUTSIDE US:</b> 1-352-323-3500
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### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

<b>INGESTION:</b>	May be harmful if swallowed.
<b>SKIN CONTACT:</b>	May cause an allergic skin reaction. Prolonged contact may lead to irritation and dermatitis.
<b>INHALATION:</b>	None in normal use. Inhalation of spray mist may be irritating.
<b>EYE CONTACT:</b>	Causes moderate eye irritation.
<b>CHRONIC EFFECTS:</b>	Repeated exposure may result in sensitization dermatitis.
<b>EFFECTS/CARCINOGENICITY:</b>	None listed under OSHA, IARC, or NTP.
<b>ROUTES OF ENTRY:</b>	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
Dimethylamine-epichlorohydrin ethylenediamine polymer 42751-79-1	50	No applicable	No applicable

### 4. FIRST AID MEASURES

<b>INGESTION:</b>	Drink several glasses of water or milk. Never give anything by mouth to an unconscious person. Contact Physician.
<b>SKIN:</b>	Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.
<b>INHALATION:</b>	Move person to fresh air. Not a hazard under normal use conditions.
<b>EYES:</b>	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.
<b>NOTES TO PHYSICIAN:</b>	None.

### 5. FIRE AND EXPLOSION HAZARD DATA

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## 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): > 200° F (C): Not determined
METHOD:	PMCC
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:	Product will not burn.
FIRE FIGHTING PROCEDURES:	Cool exposed containers with water spray. Avoid spraying water directly into opened containers due to danger of boil-over.

## 6. ACCIDENTAL RELEASE MEASURES

<b>SPILL PROCEDURES:</b>	
SMALL SPILLS:	Reclaim as much as possible.
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.
<b>PERSONAL PRECAUTIONS:</b>	Not applicable
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not applicable
<b>METHODS FOR CLEANING UP:</b>	Not applicable

## 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	WARNING Avoid contact with skin and eyes. Keep from freezing. Keep container closed when not in use.
<b>OTHER PRECAUTIONS:</b>	Use only with sufficient ventilation.
<b>SPECIFIC USE(S):</b>	Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



<b>EXPOSURE CONTROLS:</b>	None known.
<b>RESPIRATORY PROTECTION:</b>	NIOSH approved respirator if spray mist in air causes irritation.
<b>PROTECTIVE GLOVES:</b>	Chemical resistant gloves are recommended to minimize skin contact.
<b>EYE PROTECTION:</b>	Safety glasses are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	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.
<b>VENTILATION:</b>	General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Liquid. Yellow. Tan. Mild odor.
<b>BOILING POINT (F):</b>	> 212° F
<b>VAPOR PRESSURE:</b>	58 mm Hg @ 100° F
<b>VAPOR DENSITY (AIR=1):</b>	Not determined
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>SPECIFIC GRAVITY:</b>	1.14 - 1.18
<b>VOC Content (%):</b>	Not determined
<b>EVAPORATION RATE:</b>	< (BuAc = 1)
<b>PH:</b>	5 - 7

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## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Oxides of Carbon. Oxides of Nitrogen.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Alkalines. Strong oxidants, such as nitric acid, or hypochlorites.  
**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:
Dimethylamine-epichlorohydrin ethylenediamine polymer 42751-79-1	50	Listed	Not Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Dimethylamine-epichlorohydrin ethylenediamine polymer 42751-79-1	50	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.

**MIDFLOC PW-1304L, Cationic Flocculant Liquid**

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**\*\*\* END OF MSDS \*\*\***