



## 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® PW1308L, Cationic Coagulant**  
PRODUCT CODE: 117687

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

Health: 1/1 Fire: 0/0  
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:** May cause irritation. Causes vomiting, nausea, and diarrhea.  
**SKIN CONTACT:** Repeated or prolonged contact may irritate moderately.  
**INHALATION:** Dust or mist may cause irritation.  
**EYE CONTACT:** Causes severe eye irritation. Causes redness and tearing. Causes blurred vision.  
**CHRONIC EFFECTS:** None specific. Prolonged contact may cause dryness and irritation. Prolonged or repeated eye contact may result in conjunctivitis.  
**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
Aluminum hydroxychloride 12042-91-0	50	Not applicable	Not applicable

### 4. FIRST AID MEASURES

**INGESTION:** Drink several glasses of water or milk. Induce vomiting. 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. Wash with soap and water.  
**INHALATION:** Move person to fresh air. Aid in breathing, if necessary, and get immediate 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. Remove contact lenses.  
**NOTES TO PHYSICIAN:** None.

### 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None (C): None  
METHOD: None

# MIDFLOC® PW1308L, Cationic Coagulant

## 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:

Product will not support combustion.

## FIRE FIGHTING PROCEDURES:

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 with water.

#### LARGE SPILLS:

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

### 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:

WARNING Store in a cool, dry area.

Store in plastic or rubber-lined containers.

### OTHER PRECAUTIONS:

Minimize exposure to liquids, mists, vapors, or fumes.

### SPECIFIC USE(S):

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### EXPOSURE CONTROLS:

Use in a well ventilated area.

### RESPIRATORY PROTECTION:

None normally required. NIOSH approved respirator if spray mist in air causes irritation.

### PROTECTIVE GLOVES:

Rubber gloves.

### EYE PROTECTION:

Goggles and face shield are recommended to minimize eye contact. Face shield.

### OTHER PERSONAL PROTECTION

Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.

### EQUIPMENT:

### 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:

Clear liquid. Distinctive odor.

### BOILING POINT (F):

213.3° F

(C) 100.7

### VAPOR PRESSURE:

Not determined

### VAPOR DENSITY (AIR=1):

Not determined

### SOLUBILITY IN WATER:

Not determined

### SPECIFIC GRAVITY:

1.330-1.350

### VOC Content (%):

Not determined

### EVAPORATION RATE:

Not determined

### PH:

4.0 - 4.4 (15% in water)

## 10. STABILITY AND REACTIVITY

### STABILITY DATA:

STABLE

### POLYMERIZATION:

Will Not Occur.

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## 10. STABILITY AND REACTIVITY

**HAZARDOUS DECOMPOSITION:** When heated to high temperatures, the following may be produced: Toxic fumes. Aluminum compounds. Chloride compounds.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS/HAZARDS TO AVOID:** Extreme heat, direct sunlight. Open flames.

## 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:
Aluminum hydroxychloride 12042-91-0	50	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Aluminum hydroxychloride 12042-91-0	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.

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