



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012  
DATE PRINTED: 04/19/2012

REVISION NUMBER: 4  
PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **MIDFLOC® 1341L, Cationic Coagulant Blend**  
PRODUCT CODE: 119120

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:** Causes vomiting, nausea, and diarrhea. May be harmful if swallowed.  
**SKIN CONTACT:** May cause moderate skin irritation.  
**INHALATION:** Inhalation of spray mist may be irritating.  
**EYE CONTACT:** May cause moderate eye irritation.  
**CHRONIC EFFECTS:** None specific. Repeated exposure may result in sensitization dermatitis. 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	80 - 90	Not applicable	Not applicable

### 4. FIRST AID MEASURES

**INGESTION:** Drink several glasses of water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.  
**SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse.  
**INHALATION:** Move person to fresh air. Aid breathing if necessary.  
**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): None (C): None  
METHOD: TCC

# MIDFLOC® 1341L, Cationic Coagulant Blend

## FLAMMABLE LIMITS IN AIR

LOWER (%): No data  
UPPER (%): No data

## SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

## SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

## SUITABLE EXTINGUISHING MEDIA:

Product will not burn.

## 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:

Flush residue with water. Reclaim as much as possible.

#### 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:

Caution: Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store in a cool, dry area.

Store in plastic or rubber-lined containers. Do not store near heat, sparks or flame.

Store in a well ventilated area.

### OTHER PRECAUTIONS:

Keep out of reach of children.

### SPECIFIC USE(S):

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### EXPOSURE CONTROLS:

None known.

### RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved respirator with dust/mist filter as needed to meet exposure limits of mist in air.

### PROTECTIVE GLOVES:

Neoprene. Rubber gloves.

### EYE PROTECTION:

Goggles.

### OTHER PERSONAL PROTECTION EQUIPMENT:

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

### 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. amber Light yellow liquid. Organic Odor.

### BOILING POINT (F):

212° F

(C) 100° C

### VAPOR PRESSURE:

17.3 mm Hg @ ° C

### VAPOR DENSITY (AIR=1):

0.625

### SOLUBILITY IN WATER:

Not determined

### SPECIFIC GRAVITY:

1.244 - 1.256

### VOC Content (%):

0

### EVAPORATION RATE:

(BuAc = 1) : 1.26

### PH:

3.2 - 4.2

# MIDFLOC® 1341L, Cationic Coagulant Blend

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** If evaporated to dryness, as in a fire, material may burn, releasing: Toxic fumes. Aluminum compounds. Nitrogen compounds. Chloride compounds.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidents, 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:
Aluminum hydroxychloride 12042-91-0	80 - 90	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Aluminum hydroxychloride 12042-91-0	80 - 90	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 \*\*\*