

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: ALUMAFLOC I

Part Number: none

Chemical Family: Anionic polymer

Manufacturer's Name: Siemens Industry, Inc. - Water Technologies Business Unit

Address: 181 Thorn Hill Road, Warrendale, PA 15086

Product/Technical Information Phone Number: (724) 772-0044

Medical/Handling Emergency Phone Number: CHEMTREC 1-800-424-9300

Transportation Emergency Phone Number: CHEMTREC 1-800-424-9300

Issue Date: August 2000

Revision Date/Revision Number: April 2011/ Rev 2

SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Anionic polymer	100%	25987-30-8

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: White powder, odorless

Emergency Overview:

- ◆ Potential dust explosion hazard.
- ◆ Dust that contacts eyes may be irritating or cause mechanical injury.
- ◆ Dust may be irritating to the respiratory tract and cause coughing or sneezing.

Fire & Explosion Hazards: May become very slippery when wet. Potential dust explosion hazard.

Primary Route(s) of Exposure: inhalation of dust and eye contact with dust

Inhalation – Acute Effects: Dust may be irritating to the respiratory tract and cause coughing or sneezing.

Skin Contact – Acute Effects: Although no appropriate human or animal health effects data is known to exist, this material is not expected to be a health hazard by skin absorption or by skin contact.

Eye Contact – Acute Effects: Dust that contacts eyes may be irritating or cause mechanical injury.

Ingestion – Acute Effects: Although no appropriate human or animal health effects data is known to exist, this material is not expected to be an ingestion hazard.

Material Safety Data Sheet

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

Skin Contact First Aid: Immediately remove clothing from affected area and wash skin vigorously with flowing water and soap. Clothing should be washed before reuse.

Eye Contact First Aid: Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Seek medical assistance if irritation develops. DO NOT instruct person to neutralize.

Ingestion First Aid: If victim is alert and not convulsing rinse mouth with water and give plenty of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in of vomitus. Rinse mouth again and give more water to drink. Obtain medical attention.

Medical Conditions Aggravated: none known

Note to Physician: If eye pain, blinking, tears, or redness continue, patient should contact ophthalmologist

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: Non-flammable

Auto Ignition Temperature: not applicable

Upper/Lower Explosion Limits: not applicable

Extinguishing Media: Use media appropriate for surrounding materials.

Fire Fighting Procedures: No special fire fighting procedures.

Fire & Explosion Hazards: May become very slippery when wet. Potential dust explosion hazard.

Hazardous Products of Decomposition and/or Combustion: Incomplete combustion may generate carbon monoxide vapor.

NFPA Ratings:

HEALTH- 1 FLAMMABILITY- 0 REACTIVITY- 0 OTHER- none

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedure: Potential dust explosion hazard.

Material Safety Data Sheet

Cleanup: Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal of material from eyes, skin, and clothing.

Regulatory Requirements: All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Disposal: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid dispersion into air. Keep containers dry and closed. Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces. Use with adequate exhaust ventilation to draw dust away from workers' breathing zones. Prevent or minimize exposures to dusts by using appropriate respirators, gloves, and eye protection. Wash exposed skin areas thoroughly with soap and water.

Storage: Keep container tightly closed. Store in ambient atmospheric conditions.

General Comments: Containers of this product may be hazardous when empty since they retain product residues (solids, dust); observe all warnings and precautions listed for the product.

SECTION 8 – PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: Use adequate respirator for dusting such as 3M #8710 or equal.

Skin Protection: Wear appropriate dust resistant clothing and gloves.

Eye Protection: Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may be likely, dust tight goggles are recommended.

Ventilation Protection: Mechanical ventilation should be adequate.

Other Protection: Safety showers, with quick opening valves which stay open, and eye wash fountains, or other means of washing the eyes with a gentle flow of cool to tepid tap water, should be readily available in all areas where this material is handled or stored. Water should be supplied through insulated and heat-traced lines to prevent freeze-ups in cold weather.

Exposure Limits:

Exposure limits have not been developed.

Material Safety Data Sheet

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: White powder, odorless

Vapor Pressure: ND*

Vapor Density (Air=1): ND

Boiling Point: ND

Melting Point: ND

Specific Gravity: ND

Solubility in Water: Appreciable (1-10%) -
will form a gel

Volatile Percentage: ND

pH: of 0.5% solution is 7.0 to 7.5

Flash Point/method: NA**

Auto Ignition Temperature: NA

Upper/Lower Explosion Limits: NA

Other: NA

*ND=Not determined

**NA=Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Stability: This product is considered stable under the specified conditions of storage, shipment and use.

Incompatibilities: Do not use aluminum or galvanized equipment for handling or storage of solutions.

Polymerization: Will not occur.

Decomposition: Incomplete combustion may generate carbon monoxide vapor.

Conditions to Avoid: Heat, sparks, open flame.

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhalation – Acute: Dust may be irritating to the respiratory tract and cause coughing or sneezing.

Inhalation – Chronic: There are no known chronic inhalation effects.

Skin Contact – Acute: Although no appropriate human or animal health effects data is known to exist, this material is not expected to be a health hazard by skin absorption or by skin contact.

Skin Contact – Chronic: There are no known chronic dermal effects.

Eye Contact – Acute: Dust that contacts eyes may be irritating or cause mechanical injury.

Ingestion – Acute: Although no appropriate human or animal health effects data is known to exist, this material is not expected to be an ingestion hazard.

Ingestion – Chronic: There are no known chronic ingestion effects.

Material Safety Data Sheet

Carcinogenicity/Mutagenicity: There are no known carcinogenic/mutagenic effects.

Reproductive Effects: There are no known reproductive effects.

Neurotoxicity: There are no known neurotoxic effects.

Other Effects: There are no other known toxic effects.

Target Organs: This product will affect the eyes and respiratory system.

SECTION 12 – ECOLOGICAL INFORMATION

There are no known ecological effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

Spill/Leak Procedures: Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal.

Regulatory Requirements: Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Shipping Description: Not regulated by DOT

SECTION 15 – REGULATORY INFORMATION

CERCLA SECTION 103 (40CFR302.4): no RQ: none

SARA SECTION 302 (40CFR355.30): no

SARA SECTION 304 (40CFR355.40): no

SARA SECTION 313 (40CFR372.65): no

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):

ACUTE: yes CHRONIC: no FIRE: no REACTIVE: no SUDDEN RELEASE: no

OSHA PROCESS SAFETY (29CFR1910.119): no

CALIFORNIA PROPOSITION 65: no

SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial and local laws.

Revision Indicator: April 2011, Revised Section 1 (Updated manufacturer's name)