

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: VA Flocc 889

Chemical Family: Flocculant

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

Address: 2650 Tallevast Road, Sarasota, FL 34243

Product/Technical Information Phone Number: 1.941.355.2971

Medical/Handling Emergency Phone Number: CHEMTREC 1.800.424.9300
24 hours a day

Transportation Emergency Phone Number: CHEMTREC 1.800.424.9300
24 hours a day

Issue Date/Revision: July 2006

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SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Trade Secret	100	Trade Secret

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: Clear to slightly hazy, colorless to yellow liquid with no appreciable odor.

Emergency Overview: May cause skin, eye, and respiratory irritation.

Fire & Explosion Hazards: May produce hazardous fumes or hazardous decomposition products.

Primary Route(s) of Exposure: Skin and eye contact, and inhalation.

Inhalation – Acute Effects: Inhalation of mist or spray may irritate respiratory tract.

Skin Contact – Acute Effects: Skin irritation may occur, especially with prolonged contact.

Eye Contact – Acute Effects: Direct eye contact may cause irritation, redness, and swelling. Prolonged exposure to aluminum salts may cause conjunctivitis.

Ingestion – Acute Effects: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person 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.

Skin Contact First Aid: Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water. Seek medical attention if irritation should develop.

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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. Obtain immediate medical attention.

Ingestion First Aid: Give victim large amounts of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to maintain the breathing passage open. Obtain medical attention immediately

Medical Conditions Aggravated: Chronic overexposure may aggravate existing skin, eye, and lung conditions. Persons with kidney disorders have an increased risk from exposure based on general information found on aluminum salts.

Note to Physician: Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: Not Applicable

Auto Ignition Temperature: Not Applicable

Upper/Lower Explosion Limits: Not Applicable

Extinguishing Media: Water spray, carbon dioxide, foam, dry chemical.

Fire Fighting Procedures: Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container. Cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas. Avoid breathing vapors or mist

Fire & Explosion Hazards: May produce hazardous fumes or hazardous decomposition products.

Hazardous Products of Decomposition and/or Combustion: May generate CO, CO₂, nitrogen oxides, aluminum oxides, Cl₂, and HCl.

NFPA Ratings: HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Clean up spill immediately. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter stream or waterways. For small spills, use soda ash or lime to neutralize and inert material to adsorb. Place contaminated materials into containers for proper disposal. Wear adequate personal protective clothing and equipment.

CAUTION: use of soda ash or lime may generate carbon dioxide gas. Provide adequate ventilation to spill area. Approved breathing apparatus may be necessary.

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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

Storage: Store in a cool, dry place away from direct heat. Keep container tightly closed when not in use. Do not store in unlined metal containers. Product may slowly corrode iron, brass, copper, aluminum, and mild steel.

SECTION 8 – PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: None required under normal use conditions. When engineering, work practice, or other means of exposure reduction are not adequate, NIOSH approved respirators with mist canisters may be necessary to prevent overexposure by inhalation.

Skin Protection: Wear chemical resistant gloves.

Eye Protection: Wear chemical splash goggles and face shield.

Ventilation Protection: Local exhaust ventilation is recommended.

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 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 established for this product. However, for aluminum soluble salts, a component of this product: ACGIH TLV = 2 mg/m³ TWA

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Clear to slightly hazy, colorless to yellow liquid with no appreciable odor.

Specific Gravity: 1.274 - 1.294

Solubility in Water: Complete

pH: 3.0 - 4.0 (as is)

Volatiles by Weight: 50 - 65% (water)

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Incompatibilities: Product is incompatible with alkalis.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: May generate CO, CO₂, nitrogen oxides, aluminum oxides, Cl₂, and HCl.

Conditions to Avoid: None

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SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available for this product.

SECTION 12 – ECOLOGICAL INFORMATION

No data available for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

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. 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

SECTION 15 – REGULATORY INFORMATION

SARA Title III, Section 313 (40 CFR Part 372). no

SARA Hazard Categories:

Acute Health Hazard: yes

Chronic Health Hazard: no

Fire Hazard: no

Pressure Release Hazard: no

Reactivity Hazard: 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: Legal Entity name change 04/01/11