

## Material Safety Data Sheet

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** VA Flocc 4893

**Chemical Family:** Cationic Polyacrylamide  
Copolymer Emulsion

**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:** January 2009

**Revision Number / Date:** Rev 1 April 2011

### SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Petroleum Distillate	Proprietary	Proprietary
Polyacrylamide Copolymer	Proprietary	69418-26-4
Water	Proprietary	7732-18-5

### SECTION 3 – HAZARDS IDENTIFICATION

**Appearance & Odor:** White mobile liquid with a mild bland petroleum odor.

**Emergency Overview:** Spills of this material make the floor very slippery.

**Fire & Explosion Hazards:** When water has evaporated, the residue will burn. No known unusual hazards in a fire/explosion situation.

**Primary Route(s) of Exposure:** Inhalation, skin, and eye contact.

**Inhalation – Acute Effects:** Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause coughing or sneezing. No known hazards in normal industrial use.

**Skin Contact – Acute Effects:** A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated skin contact may cause irritation.

**Eye Contact – Acute Effects:** Causes moderate eye irritation.

**Ingestion – Acute Effects:** Low acute oral toxicity.

### SECTION 4 – FIRST AID MEASURES

**Inhalation First Aid:** If breathing is difficult, remove the victim to fresh air. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

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**Skin Contact First Aid:** Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Eye Contact First Aid:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Ingestion First Aid:** Ingestion is not considered a potential route of exposure in industrial applications of this material. If swallowed, immediately give 2 glasses of water. Obtain immediate medical attention.

**Medical Conditions Aggravated:** The health hazards of this product should be low under normal industrial and commercial uses.

**Note to Physician:** Treat symptomatically.

### SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point/Method:** > 201<sup>0</sup> F PMCC

**Auto Ignition Temperature:** Not applicable. **Upper/Lower Explosion Limits:** Not applicable.

**Extinguishing Media:** In case of fire, use carbon dioxide, dry chemicals, foam, or water spray.

**Fire Fighting Procedures:** As with any fire, fire-fighters should wear NIOSH-approved self-contained breathing apparatus in the pressure-demand mode and full protective gear. Containers can build up pressure if exposed to heat. Dike and collect water used to fight fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

**Unusual Fire & Explosion Hazards:** When water has evaporated, the residue will burn. No known unusual hazards in a fire/explosion situation.

**Hazardous Products of Decomposition and/or Combustion:** In the case of a fire, oxides of carbon, nitrogen, hydrocarbons, fumes and smoke may be produced.

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

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Procedures:** Wear appropriate personal protective equipment. Eliminate all sources of ignition, including heat, sparks, flame, electricity, impact, and friction. Stop the source of the leak or release if it is safe to do so.

**Spill / Leak Procedure:** Contain large liquid spills or leaks with sand or earth. Do not flush with water. Avoid runoff into storm sewers and ditches which lead to waterways. For small spills or leaks, clean up with absorbent materials such as vermiculite or sand.

**Disposal:** Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

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### SECTION 7 – HANDLING AND STORAGE

**Handling:** Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid breathing vapors or mists. Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling.

**Storage:** Store in a secure area. Do not store near combustible materials. Provide appropriate ventilation. Keep container tightly closed. Avoid extreme temperatures. Keep from freezing. Always mix well before using.

**Storage Temperature:** Store at temperatures between 40<sup>0</sup> F and 90<sup>0</sup> F.

### SECTION 8 –PERSONAL PROTECTION/ EXPOSURE CONTROL

**Respiratory Protection:** Respiratory protection is not required under normal use conditions. However, if use conditions generate mists or fumes, wear a NIOSH-approved respirator with organic vapor cartridges.

**Skin Protection:** Wear protective gloves to minimize skin contamination.

**Eye Protection:** Chemical goggles are satisfactory under normal conditions of use. However, if use conditions generate splashes, wear chemical goggles and a face-shield.

**Ventilation Protection:** Good general ventilation should be sufficient under normal conditions of use. However, if use conditions generate mists or fumes, provide local exhaust ventilation.

**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.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** > 212<sup>0</sup> F at 760 mm Hg      **Freezing Point:** <20<sup>0</sup> F

**Solubility in Water:** Dispersible      **Evaporation Rate:** < 1 (Butyl Acetate = 1)

**Viscosity:** 300 to 1000 cps      **Density:** 8.4 lbs/gal

### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** This compound is stable at ambient conditions.

**Incompatibilities:** Avoid contact with strong oxidizing agents.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition Products:** Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

**Conditions to Avoid:** Avoid extreme temperatures.

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### SECTION 11 – TOXICOLOGICAL INFORMATION

No information available.

### SECTION 12 – ECOLOGICAL INFORMATION

No ecological information is available for this material or its components. However, for a material that is similar to this material:

LC 50 (96 hr fathead minnow) = 26 mg / l

LC 50 (48 hr Daphnia Magna) = 7.9 ppm

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**Empty Containers:** Empty containers retain product residue including liquid and vapor. Empty containers should be completely drained and returned to a container reconditioner or properly disposed.

### SECTION 14 – TRANSPORTATION INFORMATION

**Domestic Transportation:** This material is not regulated as a hazardous material for domestic transportation purposes.

**International Transportation:** This material is not regulated as a dangerous good for international transportation purposes.

### SECTION 15 – REGULATORY INFORMATION

**OSHA Hazard Communication Standard: Irritant**

**SARA Section 311 Categories:**

Acute: yes

Chronic: no

Fire Hazard: no

Sudden Release of Pressure: no

Reactivity Hazard: no

**TSCA Inventory Status:** included

**California Proposition 65:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproduction harm: ACRYLAMIDE and NITRILOACETIC ACID.

### 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 use 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