



MATERIAL SAFETY DATA SHEET

1. Product Identification

Product Name: **GenFloc® 84000 series** Date Issued: February, 2006
Company: GAC Chemical Corporation
Emergency Telephone Numbers: GAC Chemicals 877-254-0081
Chemtrec 800-424-9300

2. Composition / Information on Ingredients

Identification: Cationic water-soluble polymer in emulsion

3. Hazards Identification

Spills produce extremely slippery surfaces.

4. First Aid Measures

Inhalation: Move to fresh air.
Skin Contact: Wash off immediately with soap and water. In case of persistent irritation, see a physician
Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.
Ingestion: The product is not considered toxic based on studies on laboratory animals.

5. Fire-fighting Measures

Suitable extinguishing media: Water, water spray, foam, carbon dioxide (CO₂), dry powder
Special fire-fighting precautions: Spills produce extremely slippery surfaces.
Protective equipment for firefighters: No special protective equipment required.

6. Accidental Release Measures

Personal precautions: No special precautions required
Environmental precautions: Do not contaminate water
Method for cleanup: Do not flush with water. Dam up. Soak up with inert, absorbent materials. If liquid has been spilled in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. Handling and Storage

Handling: Avoid contact with skin and eyes. When preparing the working solution ensure there is adequate ventilation. When using, do not smoke.
Storage: Keep in a dry, cool place (0-30 degrees C). Keep away from heat and sources of ignition. Freezing may damage material

8. Exposure Controls / Personal Protection

Engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mist.
Personal protection equipment:
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection: Rubber gloves
Eye protection: safety glasses with side-shields. Do not wear contact lenses.
Skin protection: Chemical resistant apron or protective suit if splashing or contact with solution is likely.
Hygiene Measures: Wash hands before breaks and at the end of workday. Handle in accordance with good hygiene and safety practice.

9	Physical and Chemical Properties
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Form:	viscous liquid	Melting point (° C)	N/A
Color:	milky	Flash point (° C)	N/A
Odor:	aliphatic	autoignition temp (° C)	N/A
pH:	4-7 @ 5g/L	Vapor pressure (mm Hg)	0.13 @ 20° C

10	Stability and Reactivity
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Stability: Product is stable. No hazardous polymerization will occur.
Conditions to avoid: Oxidizing agents may cause exothermic reactions
Hazardous decomposition products: Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides.

11	Toxicological Information
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Acute toxicity
Oral: LD₅₀ / oral / > 5000 mg/kg
Dermal: The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
Inhalation: The product is not expected to be toxic by inhalation
Irritation
Skin: May cause skin irritation with susceptible persons.
Eyes: May cause eye irritation with susceptible persons.
Sensitization: The results on guinea pigs showed this material to be non-sensitizing.
Chronic toxicity: A 2 year feeding study on rats did not reveal adverse health effects. A 2 year study on dogs did not reveal adverse health effects. Prolonged skin contact may defat the skin and produce dermatitis.

12	Ecological Information
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Environmental fate: Product is rapidly eliminated from aquatic medium through irreversible adsorption onto suspended matter and dissolved organics
Bioaccumulation: does not bioaccumulate
Persistence / degradability: Not readily biodegradable

13	Disposal Considerations
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Waste from residues / unused product: In accordance with federal, state and local regulations
Contaminated packaging: Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.

14	Transport Information
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Not regulated by DOT

15	Regulatory Information
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All components of this product are on the TSCA and DSL inventories
RCRA status: Not a hazardous waste
Hazardous waste number: N/A
Reportable quantity (40 CFR 302): N/A
Threshold planning quantity (40 CFR 355): N/A
California Proposition 65 information: This product contains a chemical known to the State of California to cause cancer: residual acrylamide
HMIS & NFPA Ratings

	HMIS	NFPA
Health	1	1
Flammability	1	1
Reactivity	0	0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process unless specified in the text.