



MATERIAL SAFETY DATA SHEET

1.	Product Identification		
Product Name:	GenFloc® 83000 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		
Irritating to eyes and skin 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 (CO ₂), 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)	> 100
Odor:	aliphatic	autoignition temp (° C)	> 200
pH:	6-8 @ 5g/L	Vapor pressure (mm Hg)	0.002 @ 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: 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: Irritating to skin
Eyes: Irritating to eyes
Sensitization: The product is not expected to be sensitizing.
Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.

12	Ecological Information
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Fish LD₅₀ /fathead minnow / 96 hr >1000mg/L
Algae EC₅₀ / Phaeodactylum tricornutum / 72 hr > 1000 mg/L
Daphnia: LC₅₀ / Chaetogammarus marinus / 48 hr = 15 mg/L
Bioaccumulation: The product is not expected to bioaccumulate
Persistence / degradability Not readily biodegradable (40 % after 28 days.)

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
Flammability	1
Reactivity	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.