



MATERIAL SAFETY DATA SHEET

Emergency Telephone Numbers:

GAC Chemicals 877-254-0081

Chemtrec

Date Revised: February, 2006

207-548-2525

800- 424-9300

I. Product Identification

Product Name:

GenFloc™ 68000 Series

Chemical Name:

Cationic water-soluble polymer

II. Hazards Identifications

Hazardous Material/Component:

None

Hazard Data:

Non-hazardous, in accordance with OSHA Federal Regulations 29 CFR 1910.1200

Emergency Product Overview

Spills produce extremely slippery surfaces

Health Effects:

Skin Contact: May cause irritation, especially after prolonged or repeated contact

Eye Contact: May cause irritation, especially after prolonged or repeated contact

Ingestion: May irritate gastrointestinal tract.

Inhalation: May irritate respiratory tract

RCRA Status: Not a hazardous waste

California Prop. 64 Status: Contains acrylamide, a chemical known to the State of California to cause cancer

Hazards Information Data

	<u>HMIS</u>	<u>NFPA</u>
Health	1	1
Flammability	0	0
Reactivity	0	0
Personal Protection	B	

III. First Aid

Eye Contact: Immediately flush eyes for 15 minutes with plenty of water. If irritation persists, get medical attention

Skin Contact: Wash with soap and water for 15 minutes, including under the eyelids If irritation persists, get medical attention.

Inhalation: Move victim to fresh air. Seek medical attention if needed.

Ingestion: Product is not considered toxic based on studies on laboratory animals.

IV. Fire and Explosion Hazard Data

Flashpoint

Not applicable

Autoignition temperature

Not applicable

Extinguishing agents

Water, water spray, foam, carbon dioxide, dry powder.

Firefighting precautions

Aqueous solutions or powders that become wet make surfaces extremely slippery

Protective firefighting equipment

No special protective equipment required

V. Storage and Handling

Storage: Keep in a cool, dry place (0-35° C)

Handling: Avoid contact with skin, eyes or clothing. Avoid dust formation. Do not breath dust. Wash hands before breaks and at the end of workday.

VI. Accidental Release Measures/Waste Disposal

Spill or Leak Procedures: Do not flush with water. Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

Environmental precautions: Do not contaminate water

Waste disposal: Rinse empty containers with water and use the rinse water to prepare working solutions. Incinerate and/or disposal all waste material must be conducted in compliance with all applicable federal, state, and local regulations.

Special Precautions: Material and its solutions may be extremely slippery

VII. Applicable Control Measures

Engineering Controls: Local ventilation if dusting occurs.

Eye Protection: Safety glasses with side shields. Do not wear contact lenses.

Skin Protection: Rubber gloves and full work clothing.

Respiratory Protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³

VIII. Typical Physical Properties

Appearance:	White granular solid	Odor:	none
pH:	3 – 5 @ 5g/L	Bulk density:	45-50 lbs/cu ft.

IX. Reactivity Data

Stability: Stable under normal conditions of use.

Hazardous Decomposition: Thermal decomposition may produce carbon oxides, nitrogen oxides.

Hazardous Polymerization: Will not occur.

Incompatibility: Oxidizing agents may cause exothermic reactions.

X. Transportation Information

DOT Shipping Name: Product is not a DOT regulated material.

XI. Toxicological / Ecological Information

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: the results of testing on rabbits showed this material to be non-irritating to the skin.

Eyes: Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.

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 1 year study on dogs did not reveal adverse health effects

Ecotoxicity: The aquatic toxicity is highly mitigated by the presence of dissolved organic carbon in the water. Results obtained using the EPA "Dirty Water" test show that irreversible adsorption onto dissolved organics present in natural waters, reduces the toxicity to aquatic organisms by a factor of over 10.

Environmental fate: Product is rapidly eliminated from aquatic medium through irreversible adsorption onto suspended matter and dissolved organics

Bioaccumulation: does not bioaccumulate

Persistence / degradability: No data available

This information is for the specific material described **only** and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. To the knowledge and belief of GAC Chemical Corporation, the information is accurate and reliable as of the date indicated, but GAC Chemical Corporation makes **no express or implied warranty of merchantability** for the material or for the information. GAC Chemical Corporation makes **no express or implied warranty of fitness for a purpose** for the material or for the information.