

Section 1: Product & Company Information

Product Name: Ultra Flocc L
Chemical Family: Anionic acrylamide copolymer emulsion in hydrocarbon oil
Product Use:

Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID	Class	Workplace Hazard
 None	Not a Controlled Product	

Manufacturer Name: HiTech Fluid Systems
Address: #1800, 505 3rd Street SW, Calgary, AB T2P 3E6 Canada
General Phone Number: (403)547-2906
General Fax Number: (403)547-3129
MSDS Revision Date: June 1, 2008
Supercedes: June 23, 2005
Prepared By: HiTech Fluid Systems
Preparer's Phone: (403)547-2906

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
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Section 3: Hazards Identification

Emergency Overview: Irritating to eyes and skin. Spills produce extremely slippery surfaces.

Routes of Entry:

Skin Contact: Yes
Skin Absorption: No
Eye Contact: Yes
Inhalation: No
Ingestion: No

Potential Health Effects:

Skin:	Product irritating to the skin.
Eye:	Product irritating to the eyes.
Inhalation:	This product is not expected to be toxic by inhalation.
Ingestion:	

Section 4: First Aid Measures

Eye Contact:	Flush eyes with plenty of water. If irritation persists, seek medical attention.
Skin Contact:	Wash exposed area immediately with soap and plenty of water. In case of skin irritation, seek medical attention.
Inhalation:	Remove patient to fresh air. In case of irritation, or other symptoms, seek medical attention.
Ingestion:	This product is not considered toxic, based on studies on laboratory animals.
Other First Aid:	Irritating to eyes and skin. Spills produce extremely slippery surfaces.

Section 5: Fire Fighting Measures

Conditions Of Flammability:	
Extinguishing Media:	Water, water spray, foam, dry powder, carbon dioxide (CO ₂)
Flashpoint:	>212°F (100°C)
Upper Flammable Limit:	
Lower Flammable Limit:	
Autoignition Temperature:	>392°F (20°C)
Protective Equipment:	Spills produce extremely slippery surfaces.
Sensitivity To Impact or Static Discharge:	
Hazardous Combustion Products:	Oxidizing agents may cause exothermic reactions.
Fire Comment:	No special protective equipment required.

Section 6: Accidental Release Measures

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	DO NOT flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities, clean up promptly by scoop or vacuum. Put in suitable and closed containers for disposal. Avoid conatimating waterways. AFTER CLEANING, flush away traces with water.

Section 7: Handling & Storage

- Handling:** For good industrial hygiene, avoid contact with skin and eyes. Avoid forming dust and mist. Wash hands before breaks and at the end of the workday. Do not smoke while using this product.
- Storage:** Keep in a dry, cool place (0-30°C). When preparing the working solution, ensure there is adequate ventilation. Freezing will affect the physical condition and may damage the material.

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

- Engineering Controls:** Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.
- Personal Protective Equipment:** Gloves are recommended. Wear safety glasses with sideshields. Do not wear contact lenses. Wear a chemical-resistant apron or protective suit if splashing or repeated contact with solution is likely.
- Respiratory Protection:** In case of insufficient ventilation and/or misty conditions, wear NIOSH-approved organic filter respirator.

Exposure Limits:

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
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Section 9: Physical & Chemical Properties

- Physical State:** Liquid
- Odour And Appearance:** Milky, viscous liquid: aliphatic odour
- Odour Threshold:**
- Boiling Point:**
- Evaporation Rate:**
- Melting Point:** N/A
- Freezing Point:**
- Specific Gravity:**
- Solubility in Water:**
- Vapour Density:**
- Vapour Pressure:** 0.002 @ 68°F (20°C)
- pH:** 6-8 @ 5 g/L
- Flash Point:** >212°F (100°C)
- Volatility (% by volume):**
- Coefficient of Water to Oil distribution:**

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	Product is stable. No hazardous polymerization will occur.
Incompatible Substances:	Oxidizing agents may cause exothermic reactions.
Special Decomposition Products:	Thermal decomposition may produce carbon oxides (CO _x) and nitrogen oxides (NO _x).

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
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Effects Of Acute Exposure:	Oral: LD ₅₀ /oral/rat > 5000 mg/kg Dermal: This product is not toxic in contact with the skin. Inhalation: This product is not expected to be toxic by inhalation.
Effects Of Chronic Exposure:	Prolonged skin contact may defat the skin and produce dermatitis.
General Irritancy Of Product:	Product irritating to skin and eyes.
Sensitization:	Not a known sensitizer.
Carcinogenicity:	
Reproductive Toxicity:	
Teratogenicity:	
Embryotoxicity:	Not Available
Mutagenicity:	
Synergistic Products:	

Section 12: Ecological Information

Ecotoxicity:	Not Available
Environmental Fate:	Not Available

Section 13: Disposal Considerations

Waste Disposal:	Dispose of in accordance with government regulations.
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Section 14: Transport Information

TDG Classification: N/A
DOT UN Number: N/A
Shipping Notes: N/A

Section 15: Regulatory Information

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	None	Not a Controlled Product	

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: June 1, 2008
MSDS Revision Notes:
MSDS Author: HiTech Fluid Systems

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