Safety Data Sheet

Section 1: Chemical Product & Company Identification

BigSky Technologies LLC Trade Name:	GreenShield® C6XL water and oil repellent finishing solution for textiles
Feature and application:	Water and oil repellant for textiles
BigSky Technologies LLC:	1600 No. Clinton Ave, Suite 11 Rochester, NY, 14621
Product Information:	585-270-5282

Section 2: Hazard Identification

Emergency Overview **Warning!**

Physical Description:	Off-white liquid dispersion
Odor:	mild sweetish odor
Potential Health Effects:	This product may cause skin sensitization. May cause skin, eye and respiratory irritation. It may also be harmful if inhaled. Above 200 °C, hydrogen fluoride and other toxic fluorinated compounds may be produced; inhalation of these compounds under these conditions may result in serous lung irritation.
OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

NFPA Ratings:	Health = 1	HMIS Ratings:	Health = 1	
	Instability/Flammability = 0		Flammability = 0	
	Reactivity = 0		Reactivity = 0	

Section 3: Composition, Information on Ingredients

Component	CAS #	Wt%	OSHA (PEL)	ACGIH (TLV)
Fluoroacrylate and alkylacrylate copolymers	Trade Secret	6 - 15 %	None	None
Emulsifiers	Trade Secret		None	None
Amorphous Silica	7631-86-9	2 - 7 %	80 mg/m3 / %SiO2	None
2-methylpentane-2,4-diol	56539-66-3	≤ 1 %	None	25 ppm/ 121mg/m3
Water	7732-18-5	remainder	None	None

Section 4: First Aid Procedures

Eye Contact:	Check for and remove contact lenses. Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention.
Skin Contact:	Flush with water. Then wash affected area with soap and water for at least 15 minutes. Remove contaminated clothing.
Inhalation:	Move exposed individual to fresh air. If breathing is difficult, get medical attention.
Ingestion:	Wash out mouth with water and give two glasses of water. Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention immediately.

Section 5: Fire Fighting Measures

Flash Point (Method Used):	Non-flammable
Flammable Limits:	LEL: None UEL: None
Hazardous Combustion Products:	Toxic by-products including hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed at very high temperatures.
Extinguishing Media:	Alcohol foam, CO_2, dry chemical or water spray.
Special Fire Fighting Procedures:	Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Protective Equipment:	Use NIOSH/MSHA approved SCBA and bunker gear. Evolution of acidic gases may require complete wash down of protective clothing prior to removal.

Section 6: Accidental Release Measures

Ensure only trained personnel wearing appropriate personal protective equipment do cleanup. Ventilate area and cover with absorbent material.

Avoid dispersal of spilled material. Do not wash into sewers or waterways. May be hazardous to aquatic life.

Collect spilled material with absorbent material in a container and seal.

Section 7: Handling & Storage

Handling:

- Follow safe industrial hygiene practices and wear proper protective equipment.
- Use only in well ventilated areas.
- Safety eyewashes are recommended to be available in the work area.
- Wash hands thoroughly after handling. Wash clothing after use.
- Avoid contact with the skin or eyes.
- Do not breathe vapor or spray.
- Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Storage:

- It is suggested to store material at 0 °C (32 °F) to 30 °C (86 °F). Store at above 0 °C (32 °F) to avoid irreversible precipitation of silica.
- Keep away from heat, steam and sunlight
- Keep containers tightly closed when not in use.

Section 8: Exposure Controls & Personal Protective Equipment

Ventilation:	If material is heated above 200 °C or if material is in mist form in the work area, use local exhaust ventilation.
Respiratory Protection:	Use respirator suitable for protection when spraying this material. If material is heated above 200 °C, use a positive pressure air supplied respirator or SCBA.
Eye Protection:	Safety glasses with side shields or goggles
Protective Clothing:	Chemical resistant gloves
Other Protective Equipment:	Recommend eyewash station near area of use.

Section 9: Physical & Chemical Properties

Appearance	Liquid dispersion, white to brownish
Boiling Point (°C):	Approximately 100 °C (Water)
Freezing Point (°C):	-5 – 0 °C (23 – 32 °F)
Specific Gravity (H_2O = 1):	1.05 at 25 °C
Vapor Pressure, 25°C:	No Data
Vapor Density (Air = 1):	No Data
% Volatiles (VOCs):	No Data
Evaporation Rate (Butyl acetate = 1):	No Data
pH:	4.0 ~ 6.0
Solubility in Water:	Miscible

Section 10: Stability & Reactivity

Stability:	Stable
Conditions to avoid:	Excessive heat, ignition sources
Hazardous polymerization:	Should not occur
Incompatibilities:	May react with metals, such as sodium, magnesium, aluminum at elevated temperatures (above 425 °C); may react upon prolonged exposure to fluorine or in oxygen-fluorine mixtures at high temperatures and pressures. Contact with incompatible materials may result in fire or explosion. Hazardous decomposition or by-products and toxic by-products including hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed at very high temperatures.

Section 11: Toxicological Information

Acute Effects of Exposure

Ingestion: May cause irritation
Eye Contact: Causes eye irritation
Skin Contact: May cause skin irritation and sensitization
Inhalation: This product may cause respiratory system irritation and impairment of the nervous system.

Chronic Effects of Exposure: No Data Available

Carcinogenicity: None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Association (OSHA).

Other Potential Hazards (of the Pure Materials):

Fluoroalkyl acrylate copolymer: Bacterial Reverse Mutation Assay is negative

Excessive exposure to thermal degradation products could result in delayed pulmonary edema in some cases, and on very high exposure, damage to the liver and kidneys. These substances may include: perfluoroisobutylene (TLV = 10 ppb), carbonyl fluoride (TLV = 2 ppm TWA, 5 ppm STEL), hydrogen fluoride (TLV – 3 ppm, Ceiling).

Section 12: Ecological Information

Biodegradability:	This product may not be considered to be readily degradable.
Bioaccumulation:	No Data.

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR261. Comply with Federal, State and local regulations concerning health and environment when disposing of materials. Regulations may also apply to empty containers, liners, or rinsate. DO NOT INCINERATE unless incinerator is capable of scrubbing hydrogen fluoride and other acidic combustion products.

Section 14: Transport Information

DOT Hazard Material Shipping Description:	Not applicable. Not regulated as a hazardous material by DOT.
UN Classification:	Not applicable

Section 15: Regulatory Information

TSCA Inventory	All ingredients are listed on the TSCA inventory.				
CERCLA	No reportable quantity (RQ) assigned to the product				
SARA 311/312	Acute	Chronic	Fire	Pressure	Reactivity
Other:	States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts, and Rhode Island may have specific requirements or components of this product listed; consult specific state regulatory requirements for additional information.				

Section 16: Other Information

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