

MATERIAL SAFETY DATA SHEET

CHEMGUARD FS-220-8

SECTION I: Identity

Manufacturer

Chemguard, Inc.
204 South Sixth Ave.
Mansfield, TX 76063
(817) 473-9964

Emergency telephone (817) 473-9964

Chemical name: Perfluoro telomer

Chemical family: Perfluorinated Surfactant

Formula: N/A

CAS No.: N/A

Revision date: 1-20-04

SECTION II: Ingredients/Information

Common Name:	% by Wt.	CAS No.	ACGIH/PPM		OSHA/PPM
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>
Perfluoro telomer	38-41	70969-47-0	None	None	None
Tert-butyl alcohol	< 14	75-65-0	100	None	100
Water	to 100	7732-18-5			

SECTION III: Physical/Chemical Characteristics

Boiling point:	174° F.	Flash point (PMCC):	69° F.
Melting point:	N/D	Vapor density (air = 1):	N/D
Specific gravity:	1.12 g/cm.	Solubility in water:	Miscible
Vapor pressure (mm Hg): NA		Evaporation rate (butyl acetate = 1):	N/D
pH:	5.5-6.5	Appearance and odor:	Hazy, light yellow liquid

SECTION IV: Fire and Explosion Hazard Data

Flash point (PMCC): 69° F. **Flammable Limits:** Not known
Extinguishing media: Compatible with CO₂, dry chemicals, foam, water and halon.
Special Fire Fighting Procedures: None
Unusual Explosion Hazards: None

SECTION V: Reactivity data

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility: Avoid strong oxidizers and strong acids.
Decomposition Products: CO₂, CO, possibly NH₃

SECTION VI: Health Hazard Data

Routes of entry - Eye: May cause eye irritation.
Inhalation: May cause mild irritation.
Skin: May cause mild irritation.
Ingestion: Not an expected route of entry.

Health Hazard - Acute: Irritation of eyes, skin and mucous membranes.
Chronic: None known.

Carcinogenicity: Not tested.

Medical Conditions Generally

Aggravated by Exposure: Skin irritation to individuals with sensitive skin.

Signs and Symptoms of Exposure: Watering of eyes, reddening of skin.

Emergency and First Aid Procedures:**Eyes:** Flush with water and contact physician.

Skin: Rinse with water. Wash with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Do not induce vomiting. Call Physician.

SECTION VII: Precautions for Safe Handling and Use

Precautions for Handling and Storage: Store in original container.

Release or Spill Measures: Contain and collect spill. Dispose according to Local, State and Federal Regulations.

Waste Disposal Method: Dispose according to Local, State and Federal Regulations. Send to local waste treatment plant only with permission.

Other Precautions: Areas on which a spill occurred may be slippery.

SECTION VIII: Control Measures

Respiratory Protection: Not generally needed

Ventilation: Use if available.

Protective Gloves: Latex or rubber.

Eye Protection: Use safety glasses with side shields, or goggles.

Other Protective Clothing or Equipment: None recommended.

Industrial Hygienic Practices: Clean spills.

SECTION IX: TRANSPORT INFORMATION

DOT:

Proper Shipping Name: Butanols
Hazard Class: 3
ID Number: UN 1120
Packing Group: PGII

IATA:

Proper Shipping Name: Butanols
Hazard Class: 3
ID Number: UN 1120
Packing Group: PG II

IMDG:

Proper Shipping Name: Butanols
Hazard Class: 3.2
ID Number: UN 1120
Packing Group: PG II

TDG:

Proper Shipping Name: Butanols
Hazard Class: 3
ID Number: UN 1120
Packing Group: PG II

Additional Information: None

SECTION X: TRANSPORT INFORMATION

US Federal Regulations:

Chemical Weapons Convention (CWC): This product does not contain any chemicals listed under the Chemical Weapons Convention Schedule of Chemicals.

Clean Air Act -Hazardous Air Pollutants (HAP): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

Clean Air Act - Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Occupational Safety and Health Act (OSHA): This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Resource Conservation and Recovery Act (RCRA): Hazardous waste under RCRA (40 CFR 261.21), Ignitability D001.

SARA Title III: Section 302 - Extremely Hazardous Substances (EHS): None

SARA Title III: Section 304 - CERCLA: Not a hazardous substance under CERCLA (40 CFR 302.4)

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):

Immediate/Delayed/Flammable

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: 2-Propanol, 2-methyl-

Common Name: Tert-butyl alcohol

CASRN: 75-65-0

Percent in Composition: 8-13% by wt

Comment:

TSCA Section 5(e) - Consent Order / SNUR: This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Canadian Inventory Status: This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.

Canadian WHMIS: This product contains the following chemicals listed on the Canadian WHMIS Ingredient Disclosure List.

Chemical Name: 2-Propanol, 2-methyl-

CASRN: 75-65-0

Percent in Composition: 8-13 % by wt

Controlled product, Class B

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: 2-Propenamide

CASRN: 79-06-1

Percent in Composition: 0.01 - 0.09 % by wt