

Section 1. Chemical Product and Company Identification

Flo-Kem	Name: Concentrated Glass Cleaner	Emergency Telephone #:
19402 Susana Road	Identity: Window Cleaner	CHEMTEL (800)-255-3924
Rancho Dominguez, CA 90221	Product Code: GP113	

Section 2. Hazards Identification

Classification:

Physical: NA
Health: Irritant
Environmental: ND

Acute: Eyes: Causes eye irritation.
Skin: May cause irritation to sensitive skin.
Ingestion: May cause gastric distress or disturbances if ingested.
Inhalation: Vapors may be irritating to nose, throat and respiratory tract.
Chronic: None known.

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

Section 3. Composition, Information on Ingredients

Hazardous Component > 1%:	CAS Number:	% By Weight:
Dipropylene Glycol Monomethyl Ether	34590-94-8	5-10
Propylene Glycol n-Butyl Ether	5131-66-8	5-10
Sodium Laureth Sulfate	9004-82-4	1-5

Section 4. First Aid Measures

Have product container or label with you when calling a poison control center, doctor, or going for treatment.

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.
Skin: Wash off with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then give one to two glasses of water if victim is conscious. Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Section 5. Fire Fighting Measures

Extinguishing Media: Foam, water fog, dry chemical, CO2. Do not use a direct stream of water.
Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and impervious protective clothing.
Specific Hazards Arising from the Chemical: Product may flash but will not sustain combustion. Water may spread burning liquid. Keep away from sparks, heat and open flames.

Section 6. Accidental Release Measures

Small Spills: Mop up or absorb liquid with inert dry material. Collect in appropriate waste disposal container.

Large Spills: Same as small spill. Dike area and absorb into neutral material or pump up. Flush traces with plenty of water. Do not let run-off enter drains or bodies of water.

Section 7. Handling and Storage

Handling and Storage: Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

Section 8. Exposure Control / Personal Protection

Component:	CAS Number:	PEL:	TLV:	IDLH:
Dipropylene Glycol Monomethyl Ether	34590-94-8	NE mg/M ³	NE mg/M ³	
Propylene Glycol n-Butyl Ether	5131-66-8	100ppm mg/M ³	100ppm mg/M ³	
Sodium Laureth Sulfate	9004-82-4	NE mg/M ³	NE mg/M ³	

Respiratory Protection: Not normally indicated when used as directed. Use NIOSH approved air purifying respirator if significant vapor, mist, or aerosol is generated. Recommended if experiencing respiratory irritation.

Ventilation: Recommended if generating mist, vapors or dust.

Mechanical/Engineering (General): Not normally indicated when used as directed.

Protective Gloves: Rubber or vinyl; optional.

Eye Protection: Chemical safety goggles.

Protective Clothing: Long pants, sleeves, apron, boots.

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

Section 9. Physical and Chemical Properties

Appearance and Odor: Dark blue liquid, floral scent.

pH: 7.6 ± 0.2	Boiling Point: >212° F	Specific Gravity: 0.998 ± 0.005	Melting/Freezing Point: ND
Solubility: Complete	Vapor Pressure (mm Hg.): ND	Vapor Density (Air = 1): ND	Evaporation Rate (H2O = 1): ND
Flash Point (TCC): >145°F	% LEL: ND	% UEL: ND	Flammable Limits: ND
			VOCgm/L: 120

Section 10. Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition Byproducts: None known.

Conditions to Avoid: None known.

Section 11. Toxicological Information

Carcinogenicity: **NTP** No **IARC** No **OSHA** No

Component:	LD50 Oral:	LC50 Inhalation:	LD50 Dermal:
Mixture Ethanol, Sodium Laureth Sulfate, Alcohols	>500-5000 mg/kg - rat	>3900 mg/M3	> 2000 mg/kg
Dipropylene Glycol Monomethyl Ether	5135 mg/kg - rat	No data available.	20 ml/kg - rabbit
Propylene Glycol n-Butyl Ether	2612-5500 mg/kg - rat male	No data available.	> 2000 mg/kg - rat

Other Toxicological Data

Mixture Ethanol, Sodium Laureth Sulfate, Alcohols	Chronic - may cause damage to liver and kidneys.
Dipropylene Glycol Monomethyl Ether	No data available.
Propylene Glycol n-Butyl Ether	No data available.

Section 12. Ecological Information**Environmental toxicity:**

Component:	Toxicity to fish:	Toxicity to aquatic invertebrates:	Toxicity to aquatic plants and micro-organisms:
Mixture Ethanol, Sodium Laureth Sulfate, Alcohols	No data available.	No data available.	No data available.
Dipropylene Glycol Monomethyl Ether	LC50 4,600-10,000mg/L 96H golden orfe	LC50 23,300 mg/L 48H daphnia magna	No data available.
Propylene Glycol n-Butyl Ether	No data available.	LC50 > 1000 mg/L 48H daphnia magna	No data available.

Other Ecological Data

Mixture Ethanol, Sodium Laureth Sulfate, Alcohols	Aquatic toxicity LC50 >1-10 mg/L.
Dipropylene Glycol Monomethyl Ether	Practically non-toxic to aquatic organisms on an acute basis.
Propylene Glycol n-Butyl Ether	Practically non-toxic to aquatic organisms on an acute basis.

Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State, and Local Requirements.

Section 14. Transportation Information

DOT: Not Regulated

Reportable Quantity: No

Section 15. Regulatory Information

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Hazard:	Yes	Pressure Hazard:	No		
Chronic Health:	No	Reactive Hazard:	No	Fire Hazard:	No

SARA 313: No

CERCLA Hazardous Substances:

None

State Regulations:

California: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm:

None

Section 16. Other Information

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 632-7124

NA = Not Applicable

NE= Not Established

ND= Not Determined

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