

*Section 1. Chemical Product and Company Identification*

<b>Flo-Kem</b>	<b>Name:</b> Detail Kleen	<b>Emergency Telephone #:</b>
<b>19402 Susana Road</b>	<b>Identity:</b> Degreaser	CHEMTEL (800)-255-3924
<b>Rancho Dominguez, CA 90221</b>	<b>Product Code:</b> 5270	

*Section 2. Hazards Identification*

<b>Classification:</b>	<b>Physical:</b> NA	
	<b>Health:</b> Irritant	
	<b>Environmental:</b> NA	
<b>Acute: Eyes:</b>	Causes eye irritation.	
<b>Skin:</b>	May cause irritation, dryness and defatting on prolonged contact.	
<b>Ingestion:</b>	May cause gastric distress or disturbances if ingested.	
<b>Inhalation:</b>	Vapors may be irritating to nose, throat and respiratory tract.	
<b>Chronic:</b>	Prolonged or repeated skin contact may cause skin irritation. This product is not listed as or anticipated to be a potential carcinogen by NTP or OSHA.	

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

*Section 3. Composition, Information on Ingredients*

Hazardous Component > 1%:	CAS Number:	% By Weight:
2-Butoxyethanol	111-76-2	1-5
Sodium Metasilicate	6834-92-0	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:** Immediately flush eyes with large amounts of water for 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing. 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:** None known.

## 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 area. Keep container tightly closed and properly labeled.

**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:
2-Butoxyethanol	111-76-2	25 ppm mg/M <sup>3</sup> skin	25 ppm mg/M <sup>3</sup> skin	
Sodium Metasilicate	6834-92-0	2 mg/M <sup>3</sup>	2 mg/M <sup>3</sup>	

**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:** No special measures required.

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

**Protective Gloves:** Rubber or vinyl.

**Eye Protection:** Chemical safety goggles.

**Protective Clothing:** Chemical resistant 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:** Clear yellow-green liquid, mild scent.

<b>pH:</b> 12.8	<b>Boiling Point:</b> 212° F	<b>Specific Gravity:</b> 1.046	<b>Melting/Freezing Point:</b> ND
<b>Solubility:</b> Complete	<b>Vapor Pressure (mm Hg.):</b> ND	<b>Vapor Density (Air = 1):</b> ND	<b>Evaporation Rate (H2O = 1):</b> ND
<b>Flash Point (TCC):</b> None	<b>% LEL:</b> NA	<b>% UEL:</b> NA	<b>Flammable Limits:</b> NA
			<b>VOCgm/L:</b> 42

## Section 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatibility (Materials to Avoid):** None identified.

**Hazardous Decomposition Byproducts:** Oxides of carbon and carbon monoxide.

**Conditions to Avoid:** None

## Section 11. Toxicological Information

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

<b>Component:</b>	<b>LD50 Oral:</b>	<b>LC50 Inhalation:</b>	<b>LD50 Dermal:</b>
Ethylene Glycol Monobutyl Ether	470-3000 mg/kg - rat	700 ppm 7H - rat	99-610 mg/kg - rabbit
Sodium Metasilicate	1500-3200 mg/kg - rat	No data available.	No data available.

### Other Toxicological Data

Ethylene Glycol Monobutyl Ether                    No data available.  
Sodium Metasilicate                    No data available.

## Section 12. Ecological Information

### Environmental toxicity:

<b>Component:</b>	<b>Toxicity to fish:</b>	<b>Toxicity to aquatic invertebrates:</b>	<b>Toxicity to aquatic plants and micro-organisms:</b>
Ethylene Glycol Monobutyl Ether	LC50 21,400 mg/L 96H bluegill sunfish	LC50 835 mg/L daphnia magna	No data available.
Sodium Metasilicate	LC50 2320 ppm 96H gambusia affinis	247 ppm 96H daphnia magna	160 ppm 96H amphipoda

### Other Ecological Data

Ethylene Glycol Monobutyl Ether                    Moderately toxic to aquatic organisms.  
Sodium Metasilicate                    No data available.

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### Section 13. Disposal Considerations

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

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### Section 14. Transportation Information

**DOT** Not Regulated

**Reportable Quantity:** No

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### Section 15. Regulatory Information

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

<b>Acute Hazard:</b>	Yes	<b>Pressure Hazard:</b>	No		
<b>Chronic Health:</b>	No	<b>Reactive Hazard:</b>	No	<b>Fire Hazard:</b>	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

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### 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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