

Flo-Kem, Inc.
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Emergency: 800-255-3924

MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

NAME: *Heavy Duty Degreaser*

Identity: Heavy Duty Degreaser

MSDS Number: 202

Date: 1-1-96

TOXICITY: 1

FIRE: 0

REACTIVITY: 0

PROTECTION: B

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
2-Butoxyethanol	111-76-2	25 ppm (skin)	25 ppm (skin)	10

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 F	Specific Gravity: 1	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density: (Air = 1): 1	Evaporation: (H ₂ O=1): 1	Water Solubility: Complete	pH @ 77 F: 13

Appearance and Odor: Clear, Blue Liquid, Lemon odor.

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): None	LEL: NE	UEL: NE	Flammable Limits: NA
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Extinguishing Media: Appropriate to fire fuel source.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? No EYES? Yes SKIN? Yes INGESTION? Possible

(Acute) Health Hazards:

Eyes: Contact with eyes may cause damage.

Skin: Contact with skin may cause irritant reaction.

Ingestion: Swallowing may cause gastric distress.

Inhalation: Breathing a mist may cause sneezing.

(Chronic) Health Hazards: 2-butoxyethanol is readily absorbed through the skin where it exerts a toxic effect on the liver, kidneys, and hematopoietic systems.

Signs and Symptoms of Exposure:

Eyes: Burning.

Skin: Wet Feeling.

Ingestion: Nausea and vomiting.

Inhalation: Sneezing if mist generated.

Medical Conditions Generally Aggravated by Exposure: Preexisting disorders of the skin, liver, kidneys, and hematopoietic system.

Emergency and First Aid Procedures:

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.

Skin: Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, obtain medical attention.

Ingestion: Obtain immediate medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

Oral: Over 5,000 mg/kg

Dermal: Over 5,000 mg/kg
Inhalation: ND

Stability: Stable

SECTION VII. REACTIVITY DATA

Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Other cleaning agents may or may not react.
Hazardous Decomposition Byproducts: Oxides of carbon and sulfur.

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Mop up.

Large Spills: Dike area and absorb into neutral material or pump up.

Disposal: As allowed by Federal State and Local requirements. Many jurisdictions allow small amounts into the sanitary sewer.

Handling and Storing: 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 IX. CONTROL MEASURES

Respiratory Protection: Not normally indicated

Ventilation: Normal indoor ventilation

Local Exhaust: Not normally indicated

Mechanical (General): Not normally indicated

Special: N/A

Other: N/A

Protective Gloves: Rubber or vinyl.

Eye Protection: ANSI Z87

Other Protective Clothing or Equipment: Long pants and sleeves.

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 X. DOT INFORMATION

Not Regulated

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: Contains 2-butoxyethanol as noted above.

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Applicable

S - May Be Absorbed Through Intact Skin

ND - No Data Available