

POWERHOUSE LF

SECTION I

HARVARD CHEMICAL RESEARCH

3595 Zip Industrial Blvd.

Atlanta, GA 30354

Date: 10-17-02

Phone:

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HEALTH	2	0=Least
FLAMMABILITY	0	1=Slight
REACTIVITY	2	2=Moderate
		3=High
		4=Extreme

SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL	SK
SODIUM SILICATE	6834-92-0	NOT ESTAB.	NOT ESTAB.		
SODIUM HYDROXIDE	1310-73-2	2mg/m3	2mg/m3		
2-BUTOXY ETHANOL	111-76-2	25PPM	25PPM		*

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 212°F	Appearance and odor: Clear purple liquid with butyl odor.
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1): 1.03
Vapor Density (Air=1): >1	Melting Point: ND
Solubility in Water: COMPLETE	Evaporation Rate:(Butyl Acetate=1) <1

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE	Flammable Limits: LEL: N/A	UEL: N/A
Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.		
Special Fire Fighting Procedures: NONE		
Explosion Hazards: NONE		

SECTION V-REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids.
Hazardous Decomposition or Byproducts: Heat, carbon dioxide, and carbon monoxide.
Hazardous Polymerization: Will not occur.

SECTION VI-HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): NONE KNOWN
Routes of Entry, Signs of Exposure, and Symptoms of Exposure:
SKIN and EYES: Severe irritant to eyes.
INHALATION: Irritation and difficulty in breathing
INGESTION: Gastric pain and vomiting.
Medical Conditions Generally Aggravated by Exposure: Unknown
Carcinogenic: NONE
Emergency and First Aid Procedures:
SKIN & EYE CONTACT: Skin or eye contact immediately flush with clear running water for 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. If breathing does not return to normal, get medical attention.
INGESTION: Immediately drink large quantities of water. Get medical attention.

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: PH adjust and dispose in accordance with federal and state regulations.
Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.
Other Precautions: Keep this and all chemicals out of the reach of children.

SECTION VIII-CONTROL MEASURES

Respiratory Protection (Specify Type): For exposure above established limits (see section II) use NIOSH/MSMA approved dust/mist mask.
Ventilation: Mechanical: Recommended.
Protective Gloves: Rubber or neoprene.
Eye Protection: Safety glasses.
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

SECTION IX-ADDITIONAL INFORMATION