

# POWERHOUSE

## SECTION I

### HARVARD CHEMICAL RESEARCH

3595 Zip Industrial Blvd.

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Date: 10-17-05

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
SODIUM SILICATE	6834-92-0	NOT ESTAB.	NOT ESTAB.	
SODIUM HYDROXIDE	1310-73-2	2mg/m3	2mg/m3	
2-BUTOXY ETHANOL	11-76-2	25PPM	25PPM	

## SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 212°F

Vapor Pressure (mm Hg): ND

Vapor Density (Air=1): >1

Solubility in Water: COMPLETE

Appearance and odor: Clear purple liquid with butyl odor.

Specific Gravity (H2O=1): 1.03

Melting Point: ND

Evaporation Rate:(Butyl Acetate=1) <1

## SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE

Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.

Special Fire Fighting Procedures: NONE

Explosion Hazards: NONE

Flammable Limits: LEL: N/A

UEL: N/A

## 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): Severe eye and skin irritation.

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 adjustment and dispose in accordance with state and federal 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