

# CHOICE

## SECTION I

### HARVARD CHEMICAL RESEARCH

3595 Zip Industrial Blvd.

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Date: 10/11/05

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	SK
SODIUM HYDROXIDE	1310-73--2	2mg/m3	2mg/m3	N/D	*
SODIUM HYPOCHLORITE	7681-52-9	1.5mg/m3 as CL	1.5mg/m3 as CL		

## SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ND	Appearance and odor: Clear brown liquid with low odor.
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1): 1.17
Vapor Density (Air=1): >1	Melting Point: NA
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: Rinse skin with clear water. For 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 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 regualtions.  
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

## SECTION IX-ADDITIONAL INFORMATION