

NASS

SECTION I

HARVARD CHEMICAL RESEARCH

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Date: 11/1/01

Phone:

INQUIRY-
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HEALTH	2	05:Low
FLAMMABILITY	0	1:SLIGHT
REACTIVITY	0	2:MOD:SE
		3:HIGH
		4:EXT:VH

SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL	SK
2-AMINOETHANOL	141-43-6	3 ppm	3ppm	5 ppm	
2-BUTOXYETHANOL	11-76-2	25 ppm	25 ppm	25 ppm	
POTASSIUM HYDROXIDE	1310-58-3	2mg/m ³	2mg/m ³	2mg/m ³	

NOTE:

AN "SK" UNDER "SK" (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT.

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ND
Vapor Pressure (mm Hg): ND
Vapor Density (Air=1): ND
Solubility in Water: COMPLETE

Appearance and odor: Clear yellow liquid with bland odor.
Specific Gravity (H₂O=1): 1.02
Melting Point: NA
Evaporation Rate: (Butyl Acetate=1) ND

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): 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: Dilute with water and flush to sanitary sewer.

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: Chemical goggles with side shields.

Other Protective Clothing or Equipment: Draining safety shower and eye wash station.

SECTION IX-ADDITIONAL INFORMATION

ENVIRONMENTAL BIODEGRADABILITY: BIODEGRADABLE.

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302, 304

311, 312

313

REPORTING NOT REQUIRED

REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.

REPORTING MAY BE REQUIRED FOR USERS IN MANUFACTURING SECTOR.

CERCLA

SAME AS SECTION 304