

# AMMONIATED CLEANER

## SECTION I

### HARVARD CHEMICAL RESEARCH

3595 Zip Industrial Blvd

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Date: 10/10/05

Phone:

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

## SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL	SK
2-BUTOXYETHANOL	11-76-2	25ppm	25ppm	25ppm	*
ISOPROPANOL	67-63-0	400 ppm	400 ppm	500 ppm	
AQUA AMMONIA	1336-21-6			35PPM	

NOTE: ISOPROPANOL & 2-BUTOXYETHANOL are Sara Title III, Section 3132 substances and may require reporting.

NOTE: AN '\*' UNDER 'SK' (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT.

## SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212F	Appearance and odor: Clear tan liquid with ammonia odor.
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1): 1.01
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  
Route's) 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 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: Chemical goggles with side shields.  
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

## SECTION IX-ADDITIONAL INFORMATION