

ECONO SAN

SECTION I

HARVARD CHEMICAL RESEARCH
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Date: 10/11/05

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HEALTH	1	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
DIMETHYL AMMONIUM CHLORIDE	68424-95-3	NOT ESTAB.	NOT ESTAB.	
DIMETHYL BENZYLAMMONIUM CHLORIDE	68424-85-1	NOT ESTAB.	NOT ESTAB.	
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE	64-02-8	NOT ESTAB.	NOT ESTAB.	

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:> 212F
Vapor Pressure (mm Hg): ND
Vapor Density (Air=1): >1
Solubility in Water: COMPLETE

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

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): ND
Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.
Special Fire Fighting Procedures: Protective clothing. Self contained breathing apparatus.
Explosion Hazards: Products' of combustion are toxic.

Flammable Limits LEL: NOT KNOWN
UEL: NOT KNOWN

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: Safety glasses .
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

SECTION IX-ADDITIONAL INFORMATION