

LEMON CLEAN 90

SECTION I

HARVARD CHEMICAL RESEARCH
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Date: 10/11/05

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

SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL
N, N-DIDECYL-N, DIMETHYL AMMONIUM CHLORIDE	7173-51-5	NOT ESTAB.	NOT ESTAB.	
N, N-DIMETHYL-1-DODECANAMINE-N-OXIDE	1643-20-5	NOT ESTAB.	NOT ESTAB.	
N, N-DIMETHYL-1-TETRADECANAMINE-N-OXIDE	3332-27-2	NOT ESTAB.	NOT ESTAB.	
N, N-DIMETHYL-1-HEXADECANAMINE-N-OXIDE	7178-91-8	NOT ESTAB.	NOT ESTAB.	
ETHYL ALCOHOL	64-17-5	1000 PPM	1000 PPM	

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

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

Appearance and odor: Clear liquid with pleasant odor.
Specific Gravity (H2O=1): 1.01
Melting Point: ND
Evaporation Rate:(Butyl Acetate=1):<1

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: >230°F (Method Used): CLOSED CUP
Extinguishing Media: Carbon dioxide, dry chemical foam or alcohol foam.
Special Fire Fighting Procedures: Protective clothing.
Explosion Hazards: Products' of combustion are toxic.

Flammable Limits: LEL: NA UEL: NA

Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

SECTION V-REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): None known.
Hazardous Decomposition or Byproducts: Thermal decomposition may produce toxic vapors / fumes of amines and other organic materials, and oxides of carbon and nitrogen.
Hazardous Polymerization: Will not occur.

SECTION VI-HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): NONE KNOWN
Routes of Entry:(Skin, Eyes, Inhalation, & Ingestion), Signs of overexposure, and Symptoms of Exposure: Based on information available for similar products, it is anticipated that this material will be corrosive to the skin and eyes upon direct or prolonged contact. Solvent vapors or mists of product can produce irritation of the mucous membranes. Ingestion can produce immediate burning pain in the mouth, throat and abdomen; severe swelling of the larynx; skeletal muscle paralysis affecting the ability to breath; circulatory shock; and/or convulsions. May be fatal.
Medical Conditions Generally Aggravated by Exposure: Unknown
Carcinogenic: NONE
Emergency and First Aid Procedures:
SKIN & EYE CONTACT: Skin: Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse. Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention. If physician not available, flush for additional 15 minutes and then transport victim to medical care.
INHALATION: Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.
INGESTION: If swallowed, immediately give 3-4 glasses of milk (if unavailable, give water). Do NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: Dispose in accordance with federal and state regulations
Handling and Storing: Store at temperatures below 140°F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.
Other Precautions: Keep this and all chemicals out of the reach of children.

SECTION VIII-CONTROL MEASURES

Respiratory Protection (Specify Type): Not required
Ventilation: Mechanical: Required.
Protective Gloves: Rubber or neoprene.
Eye Protection: Wear Safety glasses
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

SECTION IX-ADDITIONAL INFORMATION