

**SECTION I - GENERAL INFORMATION**

Manufacturer:

Lamson Oil Company  
2511-20th Street  
Rockford IL 61104

Date Revised: June 5, 2002  
Prepared By: Safety Department  
Telephone Number for Information: (815)226-8090  
Fax Number for Information: (815)226-9250  
Emergency Number (Chemtrec): (800)424-9300

Chemtrec is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

HAZARD RATING, HMIS SYSTEM, VALUES      NOTE: Hazard Ratings Based On:

Health =	1	4 = Severe
Flammability =	0	3 = Serious
Reactivity =	0	2 = Moderate
		1 = Slight
		0 = Minimal

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Chemicals & Common Names)	CAS #	OSHA PEL	ACGIH TLV	LD 50	Other
Alkanolamine	141-43-5	3ppm	3ppm		
Alkanolamine	102-71-6		5mg/M <sup>3</sup>		

**SECTION III - PHYSICAL, CHEMICAL CHARACTERISTICS**

Boiling Point: 220°F  
Specific Gravity (Water = 1): 1.08  
Vapor Pressure (mm HG): <1  
Melting Point: Not Applicable  
Vapor Density (Air=1): >1  
Evaporation Rate (butyl Acetate=1): <0.1  
Solubility in Water: complete  
Reactivity in Water: NIL  
Appearance and Odor: Clear, amber liquid; mild odor

**SECTION IV - FIRE & EXPLOSION DATA**

Flash Point: none      Method: Not Applicable  
Flammable Limit (Vol % in Air)      LEL: Not Applicable      UEL: Not Applicable  
Extinguishing Media: CO<sub>2</sub>, Foam, Dry Chemical, or Water Fog  
Special Fire Fighting Procedures:  
    Keep Fire-exposed containers cool with water spray.  
    Firefighters may need self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards:  
    None.

#### SECTION V - REACTIVITY DATA

Stability: [ ] Unstable [ X ] Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): strong oxidizing and reducing agents

Hazardous Decomposition Products: Thermal decomposition may produce oxides of C, N; HCl

Hazardous Polymerization: [ ] May Occur [ X ] Will Not Occur

Conditions to Avoid: Not Applicable

#### SECTION VI - HEALTH HAZARD DATA

Routes of Entry: Eyes: Primary Inhalation: Secondary

Skin: Not Absorbed Ingestion: Not Expected

Carcinogenicity: No NPT: No IARC Monographs: No OSHA Regulated: No

Health Hazards:

Chronic: No Known Effects

Acute: Possible skin irritant on prolonged contact.

Eye irritant on contact.

Possible Respiratory or mucous membrane irritant if mists or hot vapors are inhaled.

Signs & Symptoms of OverExposure:

Redness, irritation of skin, eyes. Possible membrane irritation if mists or hot vapors are inhaled.

Medical Conditions Aggravated by Exposure: None known.

Emergency and First Aid Procedures:

Eyes: Flush with water 15 minutes; if burning persists see physician.

Skin: Wash with soap and water; if irritation continues get medical attention.

Inhalation: Remove to fresh air; apply artificial respiration if necessary.

Ingestion: Administer 2 glasses of milk or water. Do not induce vomiting.

Get medical attention.

#### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case Material is Released or Spilled:

Dike large spills to prevent ingress into sewers.

Cleanup spills with absorbent and store in marked containers for disposal.

Precautions to be taken in Handling and Storage:

Keep containers covered. Do not reuse containers.

Avoid: Hot surfaces, ignition sources, and prolonged skin contact.

Waste Disposal Method:

Dispose in accordance with local, state and federal regulations.

Other Precautions:

Launder contaminated clothing before re-use.

Wash thoroughly after contact, followed by application of skin cream.

#### SECTION VIII - CONTROL MEASURES

Respiratory Protection: Use NIOSH approved respirator when airborne exposure limits are exceeded.

Ventilation: Local Exhaust: Usually sufficient. Special: Not applicable

General Exhaust: Preferred Other: Not applicable

Protective Gloves: Gloves, (Solvent resistant(Prolonged contact))

Eye Protection: Safety Goggles

Other Protective Clothing or Equipment:

Apron if exposed continuously to fluid or mist.

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