



M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: ECOPOL-LRS
REVISION DATE: DECEMBER 5, 2008

For Chemical Emergency (Spill, Leak, Fire, Exposure or Accident)
CALL CHEMTREC Day or Night 800-424-9300
For International, Call 703-527-3887 (Collect Calls Accepted)

**** FOR INDUSTRIAL USE ONLY ****

Section I - Product Information and Company Identification

Chemical Name: Diethanolamide in Methanol Formula: NA
DOT Hazard Class: UN1230, Methanol, 3, PG II
Canadian TDG: UN1230, Methanol, 3, PG II

Section II – Composition, Information on Ingredients

Material	Cas #	Percent	TLV-TWA	OSHA PEL-TWA
1) Methanol	67-56-1	20-80	200ppm	260mg/m ³

Section III – Health Hazard Information

Hazard Overview: POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER.

Section IV – First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section V - Fire & Explosion Hazard Data

Flash Point: 52°F Extinguishing Media: Water spray, Foam, CO₂, Dry Chemical
Special Fire Fighting Procedures: May be ignited by heat, sparks, or flames. Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may product toxic gases.



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Special Protective Equipment: Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

*Additional information will be provided in a medical emergency to qualified medical personnel.

Section VI – Accidental Release Measures

Personal Precautionary Measures: Use appropriate protective equipment

Environmental Precautionary Measures: Prevent from entering sewers, waterways, or low areas.

Procedure for Cleaning/Absorption: Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Contain spill with sand or other inert materials. Scoop up and remove

Disposal: Disposal should be made in accordance with federal, state, and local regulations.

Section VII- Handling and Storage

Handling Precautions: Avoid contact with eyes skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse. Ground and bond containers when transferring from one container to the other.

Storage Information: Store away from oxidizers. Store away from acids. Keep from heat, sparks, and open flames. Keep container closed when not in use. Product has a shelf life of 12 months.

Section VIII - Personal Protection Information

Air Exposure Recommendations

	Gas, Fumes, Mists	Special Thermal
Normal Use	Exceeds TLV	Spray Application
General Ventilation	General Ventilation	General Ventilation
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*Respiratory protection codes:

1. None Needed
2. Particle-removing, air purifying respirator (Dusk Mask)
3. Gas and vapor-removing, air purifying respirator (Canister)
4. Full face mask, positive pressure-demand type (Air Supplied)

Eye Protection: Goggles, Face Shield Skin Protection: Neoprene Gloves, Nitrile Gloves

Other Protective Equipment: Chemical Resistant Apron, Shoes

Section IX - Physical Data

Flash Point:	52°F	Autoignition Temp.	ND
Boiling Point:	ND	pH range:	NA
Color:	Yellow	Odor:	Alcohol
Physical state:	liquid	Specific Gravity	0.85
% Volatiles	ND	Density (lbs/gal.)	7.09

Section X - Reactivity Data

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to avoid: Keep away from heat, sparks, and flame

Incompatibility (Materials to Avoid): Strong oxidizers, Strong acids

Hazardous Decomposition Products: Ammonia, amines, olefins, oxides of nitrogen, other organic chemicals, carbon monoxide, carbon dioxide

NFPA RATINGS: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0

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HIMS RATINGS: FLAMMABILITY 3, REACTIVITY 0, HEALTH 2

Section XI – Toxicological Information

Inhalation: A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse again up to 30 hours later.

Ingestion: Toxic. Symptoms parallel inhalation. Can intoxicate and cause blindness. Usual fatal dose: 100-125 milliliters.

Skin Contact: Methyl alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur; symptoms may parallel inhalation exposure.

Eye Contact: Irritant. Continued exposure may cause eye lesions.

Chronic Exposure: Marked impairment of vision has been reported. Repeated or prolonged exposure may cause skin irritation.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

Section XII – Ecological Information

No data available

Section XIII – Disposal Considerations

Disposal Method: Disposal should be made in accordance with federal, state, and local regulations

Contaminated Packaging: Follow all applicable national or local regulations.

Section XIV – Transport Information

DOT Hazard Class: UN1230, Methanol, 3, PG II

International (Water, IMO): UN1230, Methanol, 3 (6.1), PG II

Section XV – Regulatory Information

US Regulations:

US TSCA Inventory: All components listed on the inventory

EPA SARA Title III

Extremely Hazardous: Not Applicable

Substances

EPA SARA (311, 312) Acute Health Hazard, Chronic Health Hazard

Hazard Class: Fire Hazard

California Prop 65: All components listed do not apply to the California Prop 65 legislation

MA Right-to-Know Law: One or more components listed

NJ Right-to-Know Law: One or more components listed

PA Right-to-Know Law: One or more components listed

Canadian Regulations

Canadian DSL Inventory: Product contains on or more components not listed on the inventory

Section XVI – Miscellaneous

Disclaimer: **This information is furnished without warranty, expressed or implied, as to accuracy for completeness. This information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user

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