



# Ecopol-2000LMS

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 09/11/2013

Supersedes: 03/12/2012

Version: 1.0

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### Product Identifier

**Product Name:** Ecopol-2000LMS

#### Intended Use of the Product

**Use of the Substance/Mixture:** Emulsifying, Gelling, Stabilizing and Thickening Agent

#### Name, Address, and Telephone of the Responsible Party

##### **Customer**

Economy® Polymers & Chemicals

435 E. Anderson Road

77047 Houston, TX

T 713-723-8416

[www.economypolymers.com](http://www.economypolymers.com)

#### Emergency Telephone Number

**Emergency number :** CHEMTREC 1-800-424-9300 (US); 703-527-3887 (International, collect calls are accepted)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### **Classification (GHS-US)**

Flam. Liq. 4 H227

Skin Irrit. 2 H315

STOT SE 3 H336

#### Label Elements

##### **GHS-US Labeling**

##### **Hazard Pictograms (GHS-US)**



##### **Signal Word (GHS-US)**

: Warning

##### **Hazard Statements (GHS-US)**

: H227 - Combustible liquid  
H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness

##### **Precautionary Statements (GHS-US)**

: P210 - Keep away from heat, open flames, sparks. - No smoking  
P261 - Avoid breathing mist, spray, vapors  
P264 - Wash hands and forearms thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, protective clothing, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P321 - Specific treatment (see Section 4)  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing  
P370+P378 - In case of fire: Use appropriate media for extinction  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to local, regional, national, territorial, provincial, and international regulations

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**Other Hazards** Not available

**Unknown Acute Toxicity (GHS-US)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

##### Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Petroleum distillates, hydrotreated light	(CAS No) 64742-47-8	30 - 60	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Guar gum	(CAS No) 9000-30-0	30 - 60	Comb. Dust

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

#### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

#### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Not available

**Inhalation:** May cause drowsiness or dizziness.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Chronic Symptoms:** Not available

#### Indication of Any Immediate Medical Attention and Special Treatment Needed

Not available

### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Use of heavy stream of water may spread fire.

#### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Combustible liquid

**Explosion Hazard:** May form flammable/explosive vapor-air mixture.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### Advice for Firefighters

**Precautionary Measures Fire:** Not available

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

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### Reference to Other Sections

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Use special care to avoid static electric charges. Keep away from open flames, hot surfaces and sources of ignition. No smoking. Avoid breathing (dust, vapor, mist, gas). Use only outdoors or in a well-ventilated area.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### Precautions for Safe Handling

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

**Conditions for Safe Storage, Including Any Incompatibilities** Not available

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Storage Area:** Store in a well-ventilated place. Keep cool. Store locked up.

### Specific End Use(s)

Emulsifying, Gelling, Stabilizing and Thickening Agent

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control Parameters

Petroleum distillates, hydrotreated light (64742-47-8)		
British Columbia	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (application restricted to conditions in which there are negligible aerosol exposures)

### Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:** Gloves. Gas mask. Protective clothing.



**Materials for Protective Clothing:** Not available

**Hand Protection:** Wear chemically resistant protective gloves.

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**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Viscous liquid
Odor	: Not available
Odor Threshold	: Not available
pH	: 6.5 – 8 (pH @ 0.5% in water @ 25C)
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: -20 °C (-4 °F) [Pour point]
Freezing Point	: Not available
Boiling Point	: 186 - 264 °C (366.8 - 507.2 °F)
Flash Point	: 62 °C (143.6 °F)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: 1.04 - 1.06 :
Density	8.92 lb/gal :
Specific Gravity	Not available :
Solubility	Not available :
Log Pow	Not available :
Log Kow	Not available :
Viscosity, Kinematic	Not available :
Viscosity, Dynamic	Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Combustible liquid. May form flammable/explosive vapor-air mixture.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). May release flammable gases.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity** : Not classified

**LD50 and LC50 Data** Not available

**Skin Corrosion/Irritation:** Causes skin irritation. pH: 6.5 - 8 (pH @ 0.5% in water @ 25C)

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**Serious Eye Damage/Irritation:** Not classified pH: 6.5 - 8 (pH @ 0.5% in water @ 25C)

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause drowsiness or dizziness.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause drowsiness or dizziness.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### Information on Toxicological Effects - Ingredient(s)

#### **LD50 and LC50 Data**

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat (mg/l)	> 5.2 mg/l (Exposure time: 4 h)
<b>Guar gum (9000-30-0)</b>	
LD50 Oral Rat	6770 mg/kg

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Toxicity**

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	4720 mg/l (Exposure time: 96 h - Species: Den-dronereides heteropoda)
LC 50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

### **Persistence and Degradability**

<b>Ecopol-2000LMS</b>	
Persistence and Degradability	Not established.

### **Bioaccumulative Potential**

<b>Ecopol-2000LMS</b>	
Bioaccumulative Potential	Not established.

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
BCF fish 1	61 - 159

**Mobility in Soil** Not available

### **Other Adverse Effects**

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

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### SECTION 14: TRANSPORT INFORMATION

#### In Accordance With ICAO/IATA/DOT/TDG

49 CFR 173.120 (3) A combustible liquid that does not sustain combustion is not subject to the requirements of this subchapter as a combustible liquid. Either the test method specified in ASTM D 4206 or the procedure in appendix H of this part may be used to determine if a material sustains combustion when heated under test conditions and exposed to an external source of flame.

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Additional Information** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

##### Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Guar gum (9000-30-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### US State Regulations

##### Petroleum distillates, hydrotreated light (64742-47-8)

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

##### Guar gum (9000-30-0)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

#### Canadian Regulations

##### Ecopol-2000LMS

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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##### Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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##### Guar gum (9000-30-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION

**Indication of Changes** : Revision date 09/11/2013

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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### GHS Full Text Phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H227	Combustible liquid
H232	May form combustible dust concentrations in air
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

### Party Responsible for the Preparation of This Document

Economy Polymers & Chemicals  
435 E. Anderson Road Houston, TX 77047  
713-723-8416; 1-800-231-2066

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

North America GHS US 2012 & WHMIS