



# Ecopol-XANLMS

## Safety Data Sheet

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

Revision date: 08/19/2013

Supersedes: 06/15/2009

Version: 1.0

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

#### Product Identifier

**Product form:** Mixture

**Product name:** Ecopol-XANLMS

**Synonyms:** Liquid Xanthan Gum Slurry. For professional use only.

#### Intended Use Of The Product

**Use of the substance/mixture:** Gelling Agent

#### Name, Address, And Telephone Of The Responsible Party

Economy® Polymers & Chemicals

435 E. Anderson Road

77047 Houston, TX

T 713-723-8416, 1-800-231-2066

[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

##### GHS-US classification

Flam. Liq. 4 H227

Skin Irrit. 2 H315

STOT SE 3 H336

Asp. Tox. 1 H304

#### Label Elements

##### GHS-US labeling

**Hazard pictograms (GHS-US)** :



**Signal word (GHS-US)** :

Danger

**Hazard statements (GHS-US)** :

H227 - Combustible liquid.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.

**Precautionary statements (GHS-US)** :

P210 - Keep away from sparks, open flames, hot surfaces, heat. - No smoking  
P261 - Avoid breathing vapors, mist, spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
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).  
P331 - If swallowed, do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing.

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P370+P378 - In case of fire: Use appropriate media for extinction.  
P403+P233+P235- Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P405 - Store locked up  
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

**Other Hazards** Not available

**Unknown acute toxicity (GHS US)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Name	Product Identifier	% (w/w)	GHS-US classification
Petroleum distillates, hydrotreated light	(CAS No.) 64742-47-8	45 - 55	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Xanthan gum	(CAS No.) 11138-66-2	40 - 50	Comb. Dust, H232
Propylene carbonate	(CAS No.) 108-32-7	0.1 - 1	Eye Irrit. 2A, H319
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-	(CAS No.) 9043-30-5	0.09	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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:** When symptoms occur: go into open air and ventilate suspected area. 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. Obtain medical attention if pain, blinking or redness persist.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

**General:** Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. Irritation of respiratory tract. Causes skin irritation.

**Inhalation:** May cause drowsiness or dizziness. Overexposure may be irritating to the respiratory system.

**Skin Contact:** Causes skin irritation.

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

**Ingestion:** May be fatal if swallowed and enters airways.

**Chronic symptoms:** Not available

#### Indication Of Any Immediate Medical Attention And Special Treatment Needed

If exposed or concerned, get medical advice and attention.

### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing Media

**Suitable extinguishing media:** Foam, dry chemical, carbon dioxide, water spray, fog.

**Unsuitable extinguishing media:** Do not use extinguishing media containing water. Use of heavy stream of water may spread fire.

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### Special Hazards Arising From The Substance Or Mixture

**Fire hazard:** Combustible liquid.

**Explosion hazard:** May form flammable/explosive vapour-air mixture.

**Reactivity:** Stable at ambient temperature and under normal conditions of use.

#### 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>).

#### 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 (vapor, mist, spray). 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

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

#### 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 vapours 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, forearms, and other exposed areas thoroughly after handling.

### Conditions For Safe Storage, Including Any Incompatibilities

**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. Heat sources. Ignition sources. Direct sunlight.

**Maximum storage period:** 24 months.

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

### Specific End Use(s)

Gelling Agent. For professional use only.

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### 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. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal protective equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for protective clothing:** Chemically resistant materials and fabrics. Corrosionproof clothing.

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

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

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

**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, beige, slurry.
Odour	: Not available
Odour threshold	: Not available
pH	: Not available
Relative evaporation rate (butylacetate=1)	: Not available
Melting point	: -15 °C (5°F)
Freezing point	: Not available
Boiling point	: 186 - 264 °C (366.8°-507.2°F)
Flash point	: 62 °C (143°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
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not available
Specific gravity density	: 1.04-1.06
Solubility	: Not available
Log Pow	: Not available
Log Kow	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: Not available

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**Explosion data - sensitivity to mechanical impact** : Not available

**Explosion data - sensitivity to static discharge** : Not available

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity** Stable at ambient temperature and under normal conditions of use.

**Chemical Stability** Combustible liquid. May form flammable/explosive vapour-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.

**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.

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitisation:** 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:** May be fatal if swallowed and enters airways.

**Symptoms/injuries after inhalation:** May cause drowsiness or dizziness. Overexposure may be irritating to the respiratory system.

**Symptoms/injuries after skin contact:** Causes skin irritation.

**Symptoms/injuries after eye contact:** May cause eye irritation.

**Symptoms/injuries after ingestion:** May be fatal if swallowed and enters airways.

#### 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>Propylene carbonate (108-32-7)</b>	
LD50 oral rat	29000 mg/kg
LD50 dermal rabbit	> 20000 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LC50 fishes 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)
LC50 fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

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<b>Propylene carbonate (108-32-7)</b>	
LC50 fishes 1	5300 mg/l (Exposure time: 96 h - Species: Leuciscus idus [static])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 500 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])

### **Persistence And Degradability**

<b>Ecopol-XANLMS</b>	
Persistence and degradability	Not established.

### **Bioaccumulative Potential**

<b>Ecopol-XANLMS</b>	
Bioaccumulative potential	Not established.

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

<b>Propylene carbonate (108-32-7)</b>	
Log Pow	0.48 (at 25 °C)

### **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 vapours are flammable.

**Ecology - waste materials:** Hazardous waste due to toxicity.

## **SECTION 14: TRANSPORT INFORMATION**

**In accordance with ICAO/IATA/DOT/TDG**

**UN Number** Not regulated for transport

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

**Additional information** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

## **SECTION 15: REGULATORY INFORMATION**

### **US Federal regulations**

<b>Xanthan gum (11138-66-2)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

<b>Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

<b>Propylene carbonate (108-32-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **US State regulations**

<b>Xanthan gum (11138-66-2)</b>
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

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<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>
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

<b>Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)</b>
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

<b>Propylene carbonate (108-32-7)</b>
U.S. - Delaware - Volatile Organic Compounds Exempt from Requirements
U.S. - New Jersey - Excluded Volatile Organic Compounds
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

### Canadian regulations

<b>Ecopol-XANLMS</b>	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
 	

<b>Xanthan gum (11138-66-2)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
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

<b>Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite (68953-58-2)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

<b>Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

<b>Sorbitan, tri-9-octadecenoate, (Z,Z,Z)- (26266-58-0)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

<b>Propylene carbonate (108-32-7)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
Listed on the Canadian Ingredient Disclosure List	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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: 08/19/2013  
**Other information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
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Asp. Tox. 1	Aspiration hazard Category 1
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 vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin 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