



# Ecopol-HTSL

## Safety Data Sheet

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

Revision date: 08/23/2013

Version: 1.1

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

#### Product Identifier

**Product form:** Mixture

**Product name:** Ecopol-HTSL

**Synonyms:** High Temp Gel Stabilizer

#### Intended Use Of The Product

**Use of the substance/mixture:** Gel stabilizer

#### 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**

Not classified

#### Label Elements

**GHS-US labeling** No labeling applicable

**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
Water	(CAS No.) 7732-18-5	60-70	Not classified
Sodium thiosulfate	(CAS No.) 7772-98-7	30-40	Not classified

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. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists.

**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. Get medical advice and attention if you feel unwell.

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

**General:** Not available

**Inhalation:** Prolonged exposure to liquid may cause a mild irritation.

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**Skin Contact:** Contact during a long period may cause light irritation.

**Eye Contact:** Repeated or prolonged contact will cause irritation.

**Ingestion:** Ingestion may cause nausea, vomiting and diarrhea. Gastrointestinal irritation.

**Chronic symptoms:** Not available

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

If you feel unwell, seek medical advice (show the label where possible).

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** Not available.

### **Special Hazards Arising From The Substance Or Mixture**

**Fire hazard:** Not considered flammable but may burn at high temperatures.

**Explosion hazard:** Product is not explosive.

**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:** Sulfur oxides.

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses.

### **Reference To Other Sections**

Refer to section 9 for flammability properties.

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

**Personal Precautions, Protective Equipment And Emergency Procedures** Not available

### **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. Contain and collect as any solid.

**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**

**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.

### **Conditions For Safe Storage, Including Any Incompatibilities**

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

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**Incompatible products:** Strong acids. Strong bases. Strong oxidizers. Metal nitrates. Sodium nitrite. Silver salts. Iodine. Lead . Mercury.

### Specific End Use(s)

Gel stabilizer

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

### 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. Safety glasses.



**Materials for protective clothing:** Not available

**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	: Clear,Transparent
Odour	: Sulfur
Odour threshold	: Not available
pH	: 6 - 9
Relative evaporation rate (butylacetate=1)	: Not available
Melting point	: < -10 °C (14°F)
Freezing point	: Not available
Boiling point	: Not available
Flash point	: > 100 °C (212°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	: 1.31
Solubility	: Soluble in water
Log Pow	: Not available
Log Kow	: Not available
Viscosity, kinematic	: Not available

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<b>Viscosity, dynamic</b>	: Not available
<b>Explosion data - sensitivity to mechanical impact</b>	: Not available
<b>Explosion data - sensitivity to static discharge</b>	: Not available

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity** Stable at ambient temperature and under normal conditions of use  
**Chemical Stability** Stable under normal conditions.  
**Possibility Of Hazardous Reactions** Hazardous polymerization will not occur.  
**Conditions To Avoid** Direct sunlight. Extremely high or low temperatures.  
**Incompatible Materials** Strong acids. Strong bases. Strong oxidizers. Metal nitrates. Sodium nitrite. Silver salts. Iodine. Lead . Mercury.  
**Hazardous Decomposition Products** Carbon oxides (CO, CO2). Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information On Toxicological Effects - Product

**Acute toxicity** : Not classified  
**LD50 and LC50 Data** Not available  
**Skin corrosion/irritation:** Not classified **pH:** 6 - 9  
**Serious eye damage/irritation:** Not classified **pH:** 6 - 9  
**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):** Not classified  
**Aspiration hazard:** Not classified  
**Symptoms/injuries after inhalation:** Prolonged exposure to liquid may cause a mild irritation.  
**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.  
**Symptoms/injuries after eye contact:** Repeated or prolonged contact will cause irritation.  
**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting and diarrhea. Gastrointestinal irritation.

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

##### LD50 and LC50 Data

<b>Sodium thiosulfate (7772-98-7)</b>	
LD50 oral rat	> 5000 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

<b>Sodium thiosulfate (7772-98-7)</b>	
LC50 fishes 1	24000 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static])

#### Persistence And Degradability

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

#### Bioaccumulative Potential

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

**Mobility In Soil** Not available

#### Other Adverse Effects

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

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### SECTION 13: DISPOSAL CONSIDERATIONS

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

### 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

##### Sodium thiosulfate (7772-98-7)

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

##### Water (7732-18-5)

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

#### US State regulations

##### Sodium thiosulfate (7772-98-7)

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

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

#### Canadian regulations

##### Ecopol-HTSL

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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##### Sodium thiosulfate (7772-98-7)

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

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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##### Water (7732-18-5)

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

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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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

**Revision date:** 08/23/2013

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

**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