



# Ecopol-2000

## 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:** Substance

**Substance name:** Ecopol-2000

**Synonyms:** Powdered Gel

#### 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**

Comb. Dust

#### Label Elements

**GHS-US labeling**

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

**Hazard statements (GHS-US)** : May form combustible dust concentrations in air

**Other Hazards** Not available

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

**Name** : Ecopol-2000

**CAS No.** : 9000-30-0

Name	Product Identifier	% (w/w)	GHS-US classification
Guar gum	(CAS No.) 9000-30-0	100	Comb. Dust, H232

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.

**Skin Contact:** Rinse with plenty of water.

**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 expected to present a significant hazard under anticipated conditions of normal use.

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**Inhalation:** Prolonged inhalation of dust may cause respiratory irritation.

**Skin Contact:** Dust may cause irritation in skin folds or by contact in combination with tight clothing.

**Eye Contact:** Dust from this product may cause minor mechanical eye irritation.

**Ingestion:** None under normal use.

**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:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

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

**Fire hazard:** Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide.

**Explosion hazard:** Avoid dust clouds in combination with static electricity. Dust clouds can be 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. Do not allow run-off from fire fighting to enter drains or water courses.

**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:** Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

#### **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:** Collect spillage. Avoid generation of dust during clean-up of spills. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

### **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

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

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from: Direct sunlight, heat sources., ignition sources. Keep container closed when not in use. Protect from moisture.

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

**Specific End Use(s)** Gelling agent

## **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:** Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.

**Personal protective equipment:** Dust formation: dust mask. Gloves. Protective goggles



**Materials for protective clothing:** Not available

**Hand protection:** Wear protective gloves

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

**Skin and body protection:** Not available

**Respiratory protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust 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**

<b>Physical state</b>	: Solid
<b>Appearance</b>	: Powder, white, beige
<b>Odour</b>	: Mild Bean-like
<b>Odour threshold</b>	: Not available
<b>pH</b>	: 6 - 8 (0.5% Soln)
<b>Relative evaporation rate (butylacetate=1)</b>	: Not available
<b>Melting point</b>	: Not available
<b>Freezing point</b>	: Not available
<b>Boiling point</b>	: Not available
<b>Flash point</b>	: > 150 °C (302°F)
<b>Auto-ignition temperature</b>	: Not available
<b>Decomposition Temperature</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower flammable limit</b>	: Not available
<b>Upper flammable limit</b>	: Not available
<b>Vapour pressure</b>	: Not available
<b>Relative vapour density at 20 °C</b>	: Not available
<b>Relative density</b>	: Not available
<b>Specific gravity density</b>	: 1.3
<b>Solubility</b>	: Forms gel
<b>Log Pow</b>	: Not available

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<b>Log Kow</b>	: Not available
<b>Viscosity, kinematic</b>	: Not available
<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. Protect from moisture. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.

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

**Hazardous Decomposition Products** Carbon oxides (CO, CO<sub>2</sub>)

### 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 - 8 (0.5% Soln)

**Serious eye damage/irritation:** Not classified **pH:** 6 - 8 (0.5% Soln)

**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 inhalation of dust may cause respiratory irritation.

**Symptoms/injuries after skin contact:** Dust may cause irritation in skin folds or by contact in combination with tight clothing.

**Symptoms/injuries after eye contact:** Dust from this product may cause minor eye irritation.

**Symptoms/injuries after ingestion:** None under normal use.

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

**LD50 and LC50 Data**

<b>Guar gum (9000-30-0)</b>	
LD50 oral rat	6770 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** Not available

#### Persistence And Degradability

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

#### Bioaccumulative Potential

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Bioaccumulative potential	Not established.

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**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.

## **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**

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

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

### **US State regulations**

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

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

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

### **Canadian regulations**

#### **Ecopol-2000**

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

#### **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: 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.

### **GHS Full Text Phrases:**

Comb. Dust

Combustible Dust

### **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.*