

# Safety Data Sheet

## POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



### 1. Identification

#### 1.1. Product identifier

**Product Identity**

POLYOL ESTER OIL-HE

**Alternate Names**

45-102, Blended Formula, Polyol Ester Oil- HE,  
Reduced Energy Consumption- 55 gallon

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use**

It is used for systems designed for high viscosity POE compressor lubricants.

**Application Method**

Read all precautions and instructions carefully before and after use.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name**

ComStar International Inc.  
20-47 128th Street,  
College Point, NY 11356

**Telephone No.**

718-445-7900  
800-328-0142  
Fax: 718-353-5998

**Emergency 24 HR response No:** 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure, or accident. Please direct all other inquiries to our customer service phone number.

### 2. Hazard(s) identification

**2. Classification of the substance or mixture. The substance is not classified according to the Globally Harmonized System (GHS)**

**Label Elements**

**GHS label Elements**

Non-regulated material

**Hazard pictograms**

Non-regulated material

**Signal word**

Non-regulated material

**Hazard statements**

Non-regulated material

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### Classification System

NFPA ratings (scale 0-4)

Health=0; Fire=1; Reactivity=0



HEALTH	0
FIRE	1
REACTIVITY	0

HMIS ratings (scale 0-4)

Health=0; Fire=1; Reactivity=0

### 3. Composition/information on ingredients

Chemical characterization	Mixtures
Description	Mixture of the substances listed below with non-hazardous additions
Dangerous components	Non-regulated material

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	No special measures required
<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints
<b>Eyes</b>	Rinse opened eye for several minutes under running water
<b>Skin</b>	Generally, the product does not irritate the skin
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Treat symptomatically.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No further relevant information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available

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### 5. Fire-fighting measures

#### 5.1. Extinguishing media

CO2 or Powder. Water mist to cool, no direct water spray. Collect spillage.

#### 5.2. Special hazards arising from the substance or mixture

No further relevant information available

#### 5.3. Advice for fire-fighters

Protective equipment

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent). Full protective gear to prevent contact with skin and eyes.

### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment, and emergency procedures

Not required

#### 6.2. Environmental precautions

No special measures required

#### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

#### 6.4. Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

### 7. Handling and storage

#### 7.1. Precautions for safe handling

No special measures required

Information about protection against explosions and fires

No special measures required

#### 7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

No special requirements

Information about storage in one common storage facility

Not required

Further information about storage conditions

None

#### 7.3. Specific end use(s)

No further relevant information available

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### 8. Exposure controls and personal protection

Additional information about design of technical systems: No further data; see section 7

#### 8.1. Control parameters

##### Components with occupational exposure limits

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

##### Additional information

The list that was valid during the creation were used as basis.

#### 8.2. Exposure controls    Personal Protective Equipment

**General protective and hygienic measures**    The usual precautionary measures for handling chemicals should be followed

**Respiratory**    Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen

**Protection of hands**    Normally none required, for direct contact of more than 2 hours, PVC, Vitron, or Nitrile gloves are recommended

**Materials of gloves**    Not required

**Penetration time of glove material**    Not applicable

**Eyes**    Normally none required, chemical goggles if splashing is likely or high-pressure systems are used

**Skin**    Wear overalls to keep skin contact to a minimum.

**Engineering Controls**    Not applicable

**Other Work Practices**    Not applicable

### 9. Physical and chemical properties

#### Appearance

<b>Form</b>	Liquid
<b>Odor</b>	Slight amber tint
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting point / melting range</b>	Not applicable
<b>Boiling point/ boiling range</b>	Not determined
<b>Flash Point</b>	>400 °F
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined

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<b>Auto-ignition</b>	Not determined
<b>Danger of explosion</b>	Not determined
<b>Explosion limits</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	Not determined
<b>Relative Density</b>	.94-.98
<b>Vapor pressure @ 20 °C</b>	Not determined
<b>Density @ 20°C</b>	0.91-0.94
<b>Evaporation rate</b>	Not determined
<b>Specific Gravity</b>	Not determined
<b>Solubility in Water</b>	Partially miscible
<b>Partition coefficient n-octanol/water</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Viscosity-Dynamic</b>	Varies with grade
<b>Viscosity-Kinematic</b>	Varies with grade
<b>Solvent content</b>	Not determined
<b>Organic solvents</b>	0.00%

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

No further relevant information available

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications

### 10.4. Possibility of hazardous reactions

No dangerous reactions known

### 10.5. Conditions to avoid

No further relevant information available

### 10.6. Incompatible materials

No further relevant information available

### 10.7. Hazardous decomposition products

No dangerous decomposition products known

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

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### Primary irritant effect

<b>On the skin</b>	No irritating effect
<b>On the eye</b>	No irritating effect
<b>Additional toxicological information</b>	This product is not subject to classification according to internally approved calculation methods for preparation. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### Carcinogenic categories

<b>IARC (International Agency for Research on Cancer)</b>	None of the ingredients are listed. Group 1- Carcinogenic to humans Group 2A- Probably carcinogenic to humans Group 2B- Possibly carcinogenic to humans Group 3- Not classifiable as to its carcinogenicity to humans Group 4- Probably not carcinogenic to humans
<b>NTP (National Toxicology Program)</b>	None of the ingredients are listed
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	None of the ingredients are listed

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

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Generally, not hazardous for water

**12.2. Persistence and degradability**

Not applicable

**12.3. Bioaccumulative potential**

Not applicable

**12.4. Mobility in soil**

Not applicable

**12.5. Results of PBT and vPvB assessment**

Not applicable

**12.6. Other adverse effects**

No further relevant information available

## 13. Disposal considerations

**13.1. Waste treatment methods**

Recommendation:

Small quantities can be disposed of with household waste. Recycle or dispose with household trash.

Uncleaned packaging

Disposal must be made according to official regulation

## 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Non-regulated material	Non-regulated material	Non-regulated material
<b>14.2. UN proper shipping name</b>	Non-regulated material	Non-regulated material	Non-regulated material
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Non-regulated material	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Non-regulated material	<b>Air Class:</b> Non-regulated material
<b>14.4. Packing group</b>	Non-regulated material	Non-regulated material	Non-regulated material
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	Not applicable		
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation"</b>	Not applicable		

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## 15. Regulatory information

SARA	
Section 355 (extremely hazardous substances)	None of the ingredients are listed
Section 313 (specific toxic chemical listings)	None of the ingredients are listed
TSCA (Toxic Substances Control Act)	None of the ingredients are listed

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Carcinogens (>0.0%):**

None of the ingredients are listed

### **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Chemicals known to cause reproductive toxicity for females**

None of the ingredients are listed

### **Proposition 65 - Female Repro Toxins (>0.0%)**

None of the ingredients are listed

### **Proposition 65 - Male Repro Toxins (>0.0%):**

None of the ingredients are listed

### **Chemicals known to cause development toxicity**

None of the ingredients are listed

### **Carcinogenic categories**

#### **EPA (Environmental Protection Agency)**

None of the ingredients are listed

#### **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed

#### **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed

### **GHS label elements**

Non-regulated material

### **Hazard pictograms**

Non-regulated material

### **Signal word**

Non-regulated material

### **Hazard statements**

Non-regulated material

### **National regulations**

Non-regulated material

### **State Right to Know**

Non-regulated material

### **Chemical safety assessment**

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A Chemical Safety Assessment has not been carried out

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

ADR: Accord European sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internationals)

AND: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

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