

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

45-100, Blended Formula, Polyol Ester Oil- HE,
Reduced Energy Consumption- 1 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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

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

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

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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



Primary irritant effect

On the skin	No irritating effect
On the eye	No irritating effect
Additional toxicological information	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

IARC (International Agency for Research on Cancer)	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
NTP (National Toxicology Program)	None of the ingredients are listed
OSHA-Ca (Occupational Safety & Health Administration)	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

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

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

Safety Data Sheet POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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

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Signal word

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Hazard statements

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National regulations

Non-regulated material

State Right to Know

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Chemical safety assessment

Safety Data Sheet

POLYOL ESTER OIL-HE

SDS Revision Date:

12/12/2022



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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