

SAFETY DATA SHEET

Revision date 2026-Jan-15

Revision number 2

1. IDENTIFICATION

Product identifier

Product name BISOMER[®] G30

Other means of identification

Product code 5007903
Synonyms EO-PO-Blockpolymer

Recommended use of the chemical and restrictions on use

Recommended use [RU] Antifoam in microbiological fermentation processes
Uses advised against None known

Details of the supplier of the safety data sheet

Supplier GEO Specialty Chemicals, Inc.
P.O. Box 559
Exton, PA 19341
Phone: 1-888-519-3883

Manufacturer Address GEO Specialty Chemicals UK Ltd
Charleston Road, Hardley, Hythe
Southampton, Hampshire SO45 3ZG
United Kingdom
Phone: +44 (0)23 80894666
Fax No: +44 (0)23 80243113

Contact Point safety-data-sheet-fp@geosc.com

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC: (800) 424-9300
Outside USA - +1 (703) 527-3887 collect calls accepted

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Physical state liquid	Color colorless	Odor No information available
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GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Other information

- Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	TRADE SECRET
EO-PO-Blockpolymer	PROPRIETARY	80 - 100%	*

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

*The exact percentage (concentration) of composition has been withheld as a trade secret While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document

4. FIRST AID MEASURES

Description of first aid measures

General advice

In case of adverse health effects seek medical advice.

Eye contact

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Skin contact

Rinse with running water and soap.

Ingestion

Rinse mouth with water, then drink one or two glasses of water.

Inhalation

Remove to fresh air.

Most important symptoms and effects, both acute and delayed

Acute effects

None known.

Chronic effects

None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Water spray jet, Alcohol-resistant foam, Extinguishing powder, Carbon dioxide.

Extinguishing media which must not be used for safety reasons

High pressure waterjet.

Special hazards arising from the substance or mixture

Special Hazard

Formation of toxic gases is possible during heating or in fires.

Hazardous combustion products

Carbon oxides. Toxic vapors. Aldehydes. Irritating vapors.

Advice for firefighters

Firefighting measures

Cool exposed containers with water spray after extinguishing fire.

Special protective equipment for firefighters

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

Explosion data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear suitable protective clothing and gloves.

Environmental precautions

Environmental precautions

Do not empty into drains/surface water/ground water. Inform authorities in the event of product spillage to water courses or sewage systems.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors

Avoid spraying/aerosol generation.

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Do not store together with oxidants.

Store away from direct heat or sunlight.

Do not store together with reductants.

When storing in tanks above 60 °C, cover with a layer of nitrogen-protective gas.

Keep only in the original container in a cool, well-ventilated place

Incompatible products

Reaction with oxidants. Reaction with strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Tight sealing safety goggles.

Hand Protection

Polyvinylchloride

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

When processing in open systems with aerosol formation wear suitable respiratory protection to avoid inhalation of aerosol particles.

Other personal protection data

Eyewash fountains and safety showers must be easily accessible.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Color	colorless
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	No information available	No information available	
Melting / freezing point	No information available	No information available	
Boiling point / boiling range	> 250.0 °C / > 482.0 °F	No information available	
Flash point	> 200.0 °C / > 392.0 °F	ASTM D 92-97	
Evaporation rate	No information available	No information available	
Flammability (solid, gas)	Not applicable	No information available	
Flammability Limit in Air			
Upper flammability limit	No information available	No information available	
Lower flammability limit	No information available	No information available	
Vapor pressure	No information available	No information available	
Relative vapor density	No information available	No information available	
Specific gravity	No information available	No information available	
Solubility (water)	Soluble	No information available	
Solubility in other solvents	No information available	No information available	
Partition coefficient: n-octanol/water	No information available	No information available	
Autoignition temperature	No information available	No information available	
Decomposition temperature	No information available	No information available	
Kinematic viscosity	No information available	No information available	
Dynamic viscosity	No information available	No information available	

Other information

Particle characteristics Not applicable

Density	1.02 g/cm ³ @ 20.0 °C - ASTM D 1298-99
Bulk Density	No information available
Explosive properties	Not an explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing
Molecular weight	No information available
Volatile Organic Compound (VOC) content, wt. %	Not a VOC

Percent Volatile, wt.%	No information available
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10. STABILITY AND REACTIVITY

Reactivity

Reactivity

No data available.

Chemical stability

Chemical stability

Stable under normal conditions of handling, use and transportation.

Possibility of hazardous reactions

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid

None known.

Incompatible materials

Materials to avoid

Reaction with oxidants. Reaction with strong acids.

Hazardous decomposition products

Hazardous decomposition products

Can decompose slowly with localized heating above 150°C.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact

This product is not considered to be an eye irritant.

Skin contact

This product is not considered to be a skin irritant.

Ingestion

Low toxicity by this route.

Inhalation

None known.

Acute toxicity - Product Information

Oral LD50 > 2,000 mg/kg (analogy)

Dermal LD50 No information available

Inhalation LC50 No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

not irritating (analogy)

Serious eye damage/eye irritation

not irritating (analogy)

Sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

Reproductive toxicity

No information available

Specific target organ toxicity - Single exposure

No information available.

Specific target organ toxicity - Repeated exposure

No information available

Aspiration hazard

No information available.

Interactive effects

No information available

Other information

Conclusions are drawn from sources other than direct testing.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity - Product Information

Fish LC50 > 100 mg/l (analogy)

Crustacea No information available

Bacteria toxicity EC0 > 100 mg/l (analogy)

Algae/aquatic plants No information available

Persistence and degradability

Persistence and degradability
No information available

Ultimate biodegradation
This product is poorly biodegradable.

Bioaccumulative potential

Bioaccumulative potential
No information available

Mobility

Mobility
No information available

Results of PBT and vPvB assessment

PBT and vPvB assessment
No information available

Other adverse effects

Other information
No other ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Dispose of according to regulations.

Contaminated packaging
Disposal must be made according to official regulations. Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO/IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

United States (TSCA)

All ingredients are on the inventory or exempt from listing

Australia (AICS)

All ingredients are on the inventory or exempt from listing

Canada (DSL)

All ingredients are on the inventory or exempt from listing

Canada (NDSL)

None of the ingredients are on the inventory.

China (IECSC)

All ingredients are on the inventory or exempt from listing

European Union (EINECS)

All ingredients are on the inventory or exempt from listing

European Union (ELINCS)

None of the ingredients are on the inventory.

Japan (ENCS)

All ingredients are on the inventory or exempt from listing

KECL

All ingredients are on the inventory or exempt from listing

Philippines (PICCS)

All ingredients are on the inventory or exempt from listing

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

AIC - Australian Inventory of Industrial Chemicals

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

IECSC - China Inventory of Existing Chemical Substances

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

U.S. Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

U.S. State Regulations

California Proposition 65**WARNING**

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical name	California Proposition 65
Ethylene oxide 75-21-8	carcinogen, 7/1/1987 developmental toxicity, 8/7/2009 male reproductive toxicity, 8/7/09 female reproductive toxicity 2/27/87
Propylene oxide 75-56-9	carcinogen, 10/1/1988

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA Rating	Health hazards - 1	Flammability - 1	Instability - 0	Special hazards - -
HMIS Rating	Health hazards - 1	Flammability - 1	Physical hazards - 0	Personal protection - B
Product code	5007903			
Revision date	2026-Jan-15			
Revision number	2			

Additional information

BISOMER® is a registered trademark of GEO Specialty Chemicals UK Ltd.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet