

MATERIAL SAFETY DATA SHEET

ETHYLHEXYL GLYCERINE

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

Product Identifier- Synonyms 3-[(2-Ethylhexyl)oxy] 1,2-propanediol , EHOPD Purified , Ethylhexylglycerin

1.2 Emergency telephone number

Emergency telephone number • 91 22 6692 0467

Recommended Use Manufacturer, Formulation of preparations (mixtures), Pharmaceutical, Cosmetics, Intermediate

1.3 Details of the supplier of the safety data sheet

Product Name - ETHYLHEXYL GLYCERINE

Chemsynth corporation ,

XI'AN AOGU BIOTECH CO.,LTD

Room 1703, Block B, Baode Yungu International, 52 Jinye 1st Road,

Xi 'an Hi-Tech Zone, Shaanxi Province 710075

0086-29-89121514 0086-18091843361

www.aogubio.com

SECTION 2: HAZARDS IDENTIFICATION

Serious eye damage/eye irritation

2.1 Classification of the substance or mixture

Avoid release to the environment

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Dispose of contents/ container to an approved waste disposal plant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component : 3-[(2-ethylhexyl)oxy] 1,2-propanediol 70445-33-9 (99

CAS-No 70445-33-9

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

4.3 Indication of any immediate medical attention and special treatment needed

General advice Do not get in eyes, on skin, or on clothing
Show this safety data sheet to the doctor in attendance

Notes to physician Treat symptomatically.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact

Washoff immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Ingestion

Induce vomiting, but only if victim is fully conscious. Drink plenty of water. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Alcohol resistant foam. Contains organic solvents. Water spray. Dry chemical. Carbon dioxide (CO₂).

Extinguishing media which shall not be used for safety reasons

None.

Specific hazards arising from the chemical

Hazardous combustion products. Carbon monoxide. Carbon oxides.

Protective equipment and precautions for firefighters

Standard procedure for chemical fires. Evacuate personnel to safe areas. Evacuate area and fight fire from a safe distance. Wear self contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with eyes, skin and clothing.

Do not allow material to contaminate groundwater system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

SECTION 7: HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed in a dry and well-ventilated place

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Cas No	Value	Control Parameter	Basis
2 Phenoxy ethanol	122-99-6	Permissible exposure limit	20 ppm 110 mg/m ³	TRGS 900
2 Phenoxy ethanol	122-99-6	Ceiling limit value	40 ppm 220 mg/m ³	TRGS 900

8.2 Exposure controls

Personal Protective Equipment

Hand protection:

Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0,11 mm) made by KCL or gloves from other manufacturers offering the same protection.

Prolonged contact: Butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection

Eye protection Tightly fitting safety goggles.

Hygiene measures: Takeoff all contaminated clothing immediately.

Respiratory protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

Protective equipment Ensure that eyewash stations and safety showers are close to the workstation location.

General Hygiene Considerations Takeoff all contaminated clothing and washit before reuse. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.2 Other information

Freezing Point No data available

Molecular Weight 204.4

Decomposition temperature °C No data available

Vapor Density No data available

Flash Point 152 °C

OdorBoiling pointExplosion Limits no explosive properties> 285 C

Water Solubility 0.0112 mg/100 ml@ 25 °C

Property pH 6-7

Flammability (solid, gas) The product is not flammableCC (closed cup)

Solubility in other solvents No data available

Values characteristic.

Physical state

Solubility Completely soluble liquid

melting point -80 C

Flammability Limit in AirVapor pressure 0.26 Pa

No data available

Partition coefficient 2.53
Autoignition Temperature 250 C

No information available

11.1 Information on toxicological effects Acute Toxicity

Inhalation Avoid breathing vapors or mists.

Sensitization According to experience not expected

Ingestion Harmful if swallowed.

Reproductive Toxicity No information available

Mutagenic Effects Not mutagenic in AMES Test

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical Stability

Stability Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous Reactions None under normal processing.

10.4 Conditions to Avoid

Conditions to Avoid Heat, flames and sparks.

10.5 Incompatible Materials

Materials to avoid Strong oxidizing agents.

10.6 Hazardous Decomposition Products

Explosive properties

Hazardous Decomposition Products No data available According to experience not expected

Oxidizing Properties According to experience not expected

SECTION 11: TOXICOLOGICAL INFORMATION

Product Information

Target Organ Effects Eyes

Component Oral LD50 Dermal LD50 Inhalation LC50

Eye Contact Risk of serious damage to eyes.3-[(2-ethylhexyl)oxy] 1,2-propanediol 70445-33-9 (99)
> 2000 mg/kg >2000 mg/kg No information available

This product was determined to be non-irritating to the skin based on an OECD 404, Acute Dermal Irritation/Corrosion test that was conducted under GLP guidelines.

Chronic Toxicity

Regulation (EC) No. 1907/2006

Skin Contact

Page 7 / 9

Does not pose a potential of skin irritation and sensitization.

Carcinogenicity

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or

Disposal Soluble in water

Ecotoxicity Effects

3-[(2-ethylhexyl)oxy] 1,2-propanediol 70445-33-9 (99)

Other information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. EC50 48.28 mg/l 60.2 mg/l (Brachydaniorerio)

12.5 Results of PBT and vPvB assessment

No information available Daphnia 78.3 mg/l

Component Results of PBT and vPvB assessment

SECTION 14: TRANSPORT INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Water hazard class (WGK)

3-[(2-ethylhexyl)oxy] 1,2-propanediol This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

IMDG/IMO Not classified as dangerous in the meaning of transport regulations

Water endangering class = 2 (self classification)

ADR Not classified as dangerous for conveyance in the meaning of the regulations for the

transport of dangerous goods by road and rail

12.6 Other Adverse Effects

12.2 Persistence and degradability

12.1 Toxicity

No information available

ICAO Not classified as dangerous in the meaning of transport regulations

Not readily biodegradable.

IATA Not classified as dangerous in the meaning of transport regulations

12.3 Bioaccumulative potential

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of as special waste in compliance with local and national regulations. Can be disposed of as a solid waste or burned in a suitable

Installation subject to local regulations. Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Waste key for the unused product (Group): The waste producer itself must, in consultation with the appropriate authorities and a waste disposal company, obtain a waste code from the EWC (European Waste Catalogue).

SECTION 12: ECOLOGICAL INFORMATION

Product has a low potential to bioconcentrate

Component

13.1 Waste treatment methods Algae/aquatic plants Waste from residues/unused products

Can be incinerated, when in compliance with local regulations

Where possible recycling is preferred to disposal or incineration

Freshwater Fish Microtox

12.4 Mobility in soil

Crustacea

Water endangering class = 2 (self classification)

3-[(2-ethylhexyl)oxy] 1,2-propanediol

labeling- 408-080-2 - X X X X X

Full text of R-phrases referred to under sections 2 and 3

R41 - Risk of serious damage to eyes X X

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

SECTION 15: REGULATORY INFORMATION

Issuing date 10/12/2015

Revision Date

12/03/2025 International

Inventories Revision

Note 15

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. In case of any questions, please refer to the official document in English and contact us in your region.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

SECTION 16: OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.