

Ethoxydiglycol

Safety Data Sheet according to Federal Register / Vol. 77, No. 58
/ March 26, 2012 / Rules and Regulation

Revision Date: 10-25-202
Supersedes: None

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Ethoxydiglycol	Distributor:	XI'AN AOGU BIOTECH CO.,LTD
Synonyms:	2-(2-Ethoxyethoxy)ethanol	Address:	Room 606,Block B3,Jinye Times,No.32,East Section of Jinye Road,Yanta District,Xi'an Shaanxi 710065 China
INCI Name:	Ethoxydiglycol	Phone / Fax:	0086-29-89121514 / 0086-18091843361
CAS Number:	111-90-0	Web:	www.aogubio.com
Formula:	Not available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number: 0086-180-9184-3361 (Chemtrec)	

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified												
GHS Labeling:	Not classified												
GHS Hazard Pictograms:	None												
GHS Hazard Statements:	None												
GHS Precautionary Statements:	None												
Potential Health Hazards:	Eyes: Not irritant. Inhalation: No known hazard. Skin: No known hazard. Ingestion: No known hazard.												
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>n/a</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	n/a	
Health	1	Slight											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	n/a												

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Ethoxydiglycol	111-90-0	100%	Not available

4 FIRST AID MEASURES

Eyes:	In case of eye contact, rinse with plenty of water and seek medical attention if necessary
Inhalation:	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin:	Flush with plenty of water and wash using soap.
Ingestion:	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Flash point 93°C (>200°F). Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
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Special protective equipment & precautions for firefighters:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical:

These products are carbon oxides (CO, CO₂). As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions:

Not available

Methods and material for containment and cleaning up:

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities:

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component
Ethoxydiglycol

Exposure Limits
Not available

Basis

Entity

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes: Not required, but wear chemical safety glasses or goggles.
Inhalation: Not needed under normal conditions of use.
Body: Slip proof shoes may be worn where spills may occur
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:

Liquid

Vapor Pressure at 25°C:

0.1700mbar

Odor:

Light

Saponification Value:

Not available

Taste:

Not available

Iodine Value:

Not available

Color:

Colorless

Relative Density:

0.985 - 0.991

Molecular Weight:

Not available

Peroxide Value:

Not available

pH

Not available

Solubility:

Soluble in water

Boiling Point:

>198°C

Lower Explosion Limit:

23.5%

Flash Point:

94°C

Upper Explosion Limit:

1.2%

Ignition Temperature:

250°C

10 STABILITY AND REACTIVITY

Reactivity:	Product is stable
Chemical Stability:	Product is stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid strong oxidizers
Incompatible Materials:	No known
Hazardous Decomposition Products:	No known
Special Remarks:	None

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	<ul style="list-style-type: none"> • Acute toxicity: • LD/LC50 values relevant for classification: 111-90-0 2-(2-Ethoxyethoxy)ethanol Oral, LD50: > 5001 mg/kg (rat) Oral, LD50: 6031 mg/kg (mouse) Dermal, LD50: 6000 mg/kg (rat) Dermal, LD50: 9143 mg/kg (rabbit) Dermal, LD50: 5900 mg/kg (guinea Pig) Oral, LD50(2): 6300 mg/kg (rat) Inhalative, LC0: (8H) 0.025 mg/l (rat) Oral, SubChronicTox: (13W) 1000 mg/kg (Dog) Dermal, SubChronicTox: (28D) > 1000 mg/kg (rabbit) • Primary irritant effect: • on the skin: No irritant effect. Not classified (Regulation CLP (EC) No 1272/2008). • on the eye: No irritating effect. Not classified (Regulation CLP (EC) No 1272/2008). • Sensitization: No sensitizing effects known. Not classified (Regulation CLP (EC) No 1272/2008). • Subacute to chronic toxicity: Not classified (Regulation CLP (EC) No 1272/2008). • Additional toxicological information: The substance is not subject to classification according to the latest version of the EU lists.
Carcinogenicity:	Not available
Mutagenicity:	No effects
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive / Teratogenicity Toxicity:	No effects on gonadal function, fertility and reproductive performance for dose levels of up to 2000mg/kg/d. NOAEL: 2000mg/kg/d. No indication of teratogenicity for dose levels of up to 2000mg/kg/d.

12 ECOLOGICAL INFORMATION

Aquatic Ecotoxicity:	111-90-0 2-(2-Ethoxyethoxy)ethanol fish, LC50 (D): (96H) 6010 mg/l daphnia, LC50 (S): (48H) 1982 mg/l alga, EC50 (S): (96H) > 100 mg/l alga, NOEC (S): (96H) > 100 mg/l bacteria, IC50 (S): (16H) > 5000 mg/l daphnia, EC10 : (7DAY) 7.38 mg/l /, Biodegradabilit : (16DAY) 100.7 % /, log P oct/wat : - 0.43 (ESTIM) /
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Persistence and Degradability:	Easily biodegradable
Bioaccumulative Potential:	Due to the distribution coefficient n-octanol-water an accumulation in organisms is not expected
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA:	Conforms to TSCA
National Regulations:	Additional classification according to Decree on Hazardous Materials, Annex II: Not classified Classification according to VbF: Class A III: Liquids with Flashpoint between 55-100°C
DSCL (EEC):	This product is not classified according to the EU regulations.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date:	10-25-2018
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.