

Ethoxydiglycol

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

Revision Date: 23-Oct-2025
Supersedes: 24-Mar-2023

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Ethoxydiglycol	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Ethoxydiglycol	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	111-90-0	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified.		
GHS Labeling:	Not a dangerous substance according to GHS.		
GHS Hazard Pictograms:	None.		
GHS Hazard Statements:	None.		
GHS Precautionary Statements:	None.		
Potential Health Hazards:	Eyes: May be an irritant. Inhalation: May be an irritant. Skin: Not expected to be an irritant. Ingestion: May cause nausea, vomiting, or diarrhea.		
NFPA Ratings (704):	Health	N/A	N/A
	Flammability	N/A	N/A
	Reactivity	N/A	N/A
	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:	Rinse eyes with water as a precaution. Treat symptomatically.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Treat symptomatically.
Skin:	Wash skin with plenty of water. Treat symptomatically.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water spray, dry powder, foam, carbon dioxide) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	201°F (94°C)
Specific hazards arising from the chemical:	Toxic fumes may be released. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

Ventilate spillage area. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions:

Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up:

Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities:

Store in a well-ventilated place. Keep cool. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Diethylene Glycol Monoethyl Ether (111-90-0)
DNEL/DMEL (Workers)

Long-term - systemic effects, dermal:	83 mg/kg bodyweight/day.
Long-term - local effects, dermal:	1.5 mg/cm ²
Long-term - systemic effects, inhalation:	61 mg/m ³
Long-term - local effects, inhalation:	30 mg/m ³

DNEL/DMEL (General population)

Long-term - systemic effects, oral:	50 mg/kg bodyweight/day.
Long-term - systemic effects, inhalation:	37 mg/m ³
Long-term - systemic effects, dermal:	25 mg/kg bodyweight/day.
Long-term - local effects, dermal:	0.9 mg/cm ²
Long-term - local effects, inhalation:	18 mg/m ³

PNEC (Water)

PNEC aqua (freshwater):	1.98 mg/l.
PNEC aqua (marine water):	0.198 mg/l.
PNEC aqua (intermittent, freshwater):	19.8 mg/l.

PNEC (Sediment)

PNEC sediment (freshwater):	7.32 mg/kg dwt.
PNEC sediment (marine water):	0.732 mg/kg dwt.

PNEC (Soil)

PNEC soil:	0.34 mg/kg dwt.
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PNEC (Oral)

PNEC oral (secondary poisoning):	444 mg/kg food.
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PNEC (STP)

PNEC sewage treatment plant:	500 mg/l.
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Source: European Chemicals Agency, <http://echa.europa.eu/>

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: Wear safety glasses.

Inhalation: Ensure good ventilation of the work station. In case of insufficient ventilation, wear suitable respiratory equipment.

Body: Wear suitable protective gloves and full protective clothing.

Other: Use good personal hygiene practices. Avoid release into the environment. Provide eyewash stations, quick-drench

showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Vapor Pressure at 25°C:	0.126 mm Hg
Odor:	Slight	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Colorless	Flammability:	Not applicable
Molecular Weight:	No data available	Upper Explosive Limit:	23.5 vol % (360°F)
pH:	No data available	Lower Explosive Limit:	1.2 vol % (275°F)
Boiling Point:	384°F (196°C)	Flash Point:	201°F (94°C)
Melting/Freezing Point:	No data available	Specific Gravity:	No data available
Relative Density:	0.985 - 0.991	Water Solubility:	No data available
Partition Coefficient: n-octanol/water:	-0.54. Accumulation in organisms is not expected	Auto-Ignition Temperature:	399°F (204°C)
Dynamic Viscosity at 20°C:	4.4 mPa.s	Decomposition Temperature:	No data available
Oxidizing Properties:	No data available	Explosive Properties:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	None under recommended storage and handling conditions (see section 7).
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible Hazardous Reactions:	No dangerous reactions known under normal conditions of use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Not classified (Based on available data, the classification criteria are not met).
Component:	
Ethoxydiglycol (111-90-0):	(Rabbit, dermal) LD50 9143 mg/kg bodyweight; Source: European Chemicals Agency, http://echa.europa.eu/ ; (OECD 402 method).
Eyes:	Slightly irritating to rabbits on ocular application. Slightly irritant but not relevant for classification; (OECD 405 method).
Inhalation:	Not classified (Based on available data, the classification criteria are not met).
Component:	
Ethoxydiglycol (111-90-0):	(Rat, Inhalation) LC50: 0.025 g/m ³ ; Source: European Chemicals Agency, http://echa.europa.eu/ ; 8 hours.
Ingestion:	Not classified (Based on available data, the classification criteria are not met).
Component:	
Ethoxydiglycol (111-90-0):	(Rat, Oral) LD50 > 5000 mg/kg; OECD 401 method). (Mouse, Oral) LD50: 6.031 g/kg; Source: European Chemicals Agency, http://echa.europa.eu/ ; (OECD 401 method).
Carcinogenicity:	Not classified (Based on lack of available data, it is not possible to provide classification).
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Negative (OECD 471 & 486 method).
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	Not classified for single or repeated exposure.
Reproductive Toxicity:	Not classified.
Component:	
Ethoxydiglycol (111-90-0):	(Animal, Male/Female, F0/P) NOAEL: 2200 mg/kg bodyweight (OECD 416 method). (Animal, Male, F1) NOAEL: 2200 mg/kg (OECD 416 method). (Animal, Female, F1) NOAEL 2200 mg/kg (OECD 416 method). Source: European Chemicals Agency, http://echa.europa.eu
Aspiration Hazard:	Not classified.

Skin Corrosion/Irritation: Not irritating when applied to human skin.
Respiratory/Skin Sensitization: Not classified (Based on available data, the classification criteria are not met).

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified for short-term acute hazards to the aquatic environment or long-term chronic hazard to the aquatic environment.

Aquatic Vertebrate: (Ictalurus punctatus [1]) LC50 ≈ 6010 mg/l; Source: European Chemicals Agency, <http://echa.europa.eu/>; (OECD 203 method).

Aquatic Invertebrate: (Daphnia magna [1]) EC50 1982 mg/l; Source: European Chemicals Agency, <http://echa.europa.eu/>; (OECD 202 method).

Terrestrial: (Pseudokirchneriella subcapitata [1]) EC50 72 hours; 14861 mg/l; Source: European Chemicals Agency, <http://echa.europa.eu/>; (OECD 201 method).

Persistence and Degradability: Readily biodegradable. 100% BOD16=100%; Source: European Chemicals Agency, <http://echa.europa.eu/>

Partition coefficient n-octanol/water (Log Kow): -0.54 Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Bioaccumulative Potential: Accumulation in organisms is not to be expected.

Mobility in Soil: No data available.

PBT and vPvB Assessment: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

Other Adverse Effects: No data 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.

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): No data available.

IMDG (International Maritime Dangerous Goods): Not regulated.

IATA (International Air Transport Association): Not regulated.

ICAO (International Civil Aviation Organization): Not regulated.

ADR/RID/ADN (Road, Rail, & Water Transportation): Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status: No data available.

California Proposition 65: WARNING: This product can expose you to chemicals including Ethylene oxide, Methoxyethanol, Ethoxyethanol, Ethylene glycol, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

REACH Annex XVII: Not listed on REACH Annex XVII (Restriction List).

REACH Annex XIV: Not listed on REACH Annex XIV (Authorization List).

REACH Candidate List (SVHC): Not listed on the REACH Candidate List.

PIC Regulation: Not listed on the PIC (Prior Informed Consent) list (Regulation EU 649/2012).

POP Regulation: Not listed on the POP (Persistent Organic Pollutants) list (Regulation EU 2019/1021).

Ozone Regulation: Not listed on the Ozone Depletion list (Regulation EU 1005/2009).

Explosives Precursors Regulation: Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

Drug Precursors Regulation: Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the

	manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).
Chemical Safety Assessment:	No chemical safety assessment has been carried out.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.

16 OTHER INFORMATION

Additional Abbreviations:	BOD: Biochemical oxygen demand. LC50: Median lethal concentration. LD50: Median lethal dose. EC50: Median effective concentration. NOAEL: No-Observed Adverse Effect Level. OECD: Organization for Economic Co-operation and Development.
Revision Date:	23-Oct-2025
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
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