

## Ethoxydiglycol

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

Revision Date: 10-25-2018  
Supersedes: None

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Ethoxydiglycol	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>	2-(2-Ethoxyethoxy)ethanol	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Ethoxydiglycol	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	111-90-0	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	Not available	<b>Emergency Telephone Number: 1-800-424-9300 (Chemtrec)</b>	
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

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

<b>Eyes:</b>	In case of eye contact, rinse with plenty of water and seek medical attention if necessary
<b>Inhalation:</b>	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.
<b>Skin:</b>	Flush with plenty of water and wash using soap.
<b>Ingestion:</b>	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	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.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Specific hazards arising from the chemical:</b>	These products are carbon oxides (CO, CO <sub>2</sub> ). As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	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

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Ethoxydiglycol	Not available		

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

<b>Appearance, Physical State:</b>	Liquid	<b>Vapor Pressure at 25°C:</b>	0.1700mbar
<b>Odor:</b>	Light	<b>Saponification Value:</b>	Not available
<b>Taste:</b>	Not available	<b>Iodine Value:</b>	Not available
<b>Color:</b>	Colorless	<b>Relative Density:</b>	0.985 - 0.991
<b>Molecular Weight:</b>	Not available	<b>Peroxide Value:</b>	Not available
<b>pH</b>	Not available	<b>Solubility:</b>	Soluble in water
<b>Boiling Point:</b>	>198°C	<b>Lower Explosion Limit:</b>	23.5%
<b>Flash Point:</b>	94°C	<b>Upper Explosion Limit:</b>	1.2%
<b>Ignition Temperature:</b>	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:**

- **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) /

**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.