

## Pentylene Glycol BIO

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

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Supersedes: 23-Aug-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Pentylene Glycol BIO  
**Synonyms:** No data available  
**INCI Name:** Pentylene Glycol  
**CAS Number:** 5343-92-0  
**Formula:** No data available  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:** In accordance to Regulation 1272/2008/EC the product is classified as hazardous.  
**Labeling:** Eye damage: Category1(Eye dam./irrt.1), H318  
**Hazard Pictograms:** Labelling according to Directive 1272/2008/EC (CLP)



**Hazard Statements:** H318: Causes serious eye damage.  
**Precautionary Statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-Continue rinsing.  
P310: Immediately call a doctor.  
**Potential Health Hazards:** Eyes: Not expected to be irritant.  
Inhalation: Not expected to be irritant.  
Skin: Not expected to be irritant.  
Ingestion: No known hazards but may cause gastrointestinal irritation, nausea, vomiting and 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

Component	CAS No.	Weight %	Molecular Mass
Pentylene Glycol	5343-92-0	> 99.0%	104.15 g/mol

### 4 FIRST AID MEASURES

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if necessary.  
**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Remove from area of exposure; seek medical attention for coughing or choking.  
**Skin:** Wash off with soap and plenty of water. Seek medical attention if necessary.  
**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (water spray, alcohol-resistant foam, dry chemical or carbon dioxide) for adjacent fire. Do not use direct water jet.
<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>Flash Points:</b>	110 °C
<b>Specific hazards arising from the chemical:</b>	Carbon oxides. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Do not try to clean up the leak without proper protective equipment. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
<b>Methods and material for containment and cleaning up:</b>	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

<b>Precautions for safe handling:</b>	See section 8 for recommendations on the use of personal protective equipment. Keep the container closed when not in use. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store in cool, dry well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and 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>
Pentylene Glycol	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:

<b>Eyes:</b>	Safety glasses should be worn.
<b>Inhalation:</b>	Local exhaust. Provide adequate ventilation.
<b>Body:</b>	Protective gloves made of rubber or neoprene. Suitable protective clothing should be worn.
<b>Other:</b>	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>Vapor Pressure:</b>	< 1 mbar (20 °C)
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	< 1 mbar (20 °C)
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Colorless	<b>Flammability:</b>	No data available
<b>Molecular Mass:</b>	104.15 g/mol	<b>Upper Explosion Limit:</b>	9.3 %(V) (139 °C)
<b>pH:</b>	No data available	<b>Lower Explosion limit:</b>	1.7 %(V) (105.5 °C)
<b>Boiling Point:</b>	209.4 °C at 1013.25 hPa	<b>Flash Point:</b>	110 °C (DIN 51758)
<b>Melting/Freezing Point:</b>	-40 °C	<b>Specific Gravity:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	n-octanol/water: 0.06(OECD Guideline 107) (25 °C)	<b>Solubility:</b>	1000g/L(water), miscible in any ratio
<b>Relative Density:</b>	0.966 -0.976(20 °C)	<b>Auto-Ignition Temperature:</b>	No data available

<b>Dynamic Viscosity:</b>	77.1 mPa s(20°C), 22.9 mPa.s (40°C)	<b>Decomposition Temperature:</b>	No data available
<b>Kinematic Viscosity:</b>	79.4 mm <sup>2</sup> /s(20°C), 24.0 mm <sup>2</sup> /s(40°C)	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	No data available
<b>Hazardous Polymerization:</b>	No data available
<b>Conditions to Avoid:</b>	No data available
<b>Incompatible Materials:</b>	Strong oxidizing agents, Strong bases
<b>Hazardous Decomposition Products:</b>	No data available

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Oral: LD <sub>50</sub> >5,000mg/kg (rat) Dermal: LD <sub>50</sub> >2,000mg/kg (rat) Inhalation: LC <sub>50</sub> > 7.015 mg/L air(rat)
<b>Skin:</b>	Not irritating to the skin. Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)
<b>Eyes:</b>	May cause severe damage to the eyes. Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Ingestion:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	Not mutagenic
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	Single exposure
<b>Reproductive Toxicity:</b>	NOEL ≥1,000mg/kg/day(rat) not specified
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	No data available
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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**

<b>DOT (Dept. of Transportation, USA):</b>	Not classified as a dangerous good under transport regulations
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not classified as a dangerous good under transport regulations
<b>IMDG (International Maritime Dangerous Goods):</b>	Not classified as a dangerous good under transport regulations
<b>IATA (International Air Transport Association):</b>	Not classified as a dangerous good under transport regulations
<b>ICAO (International Civil Aviation Organization):</b>	Not classified as a dangerous good under transport regulations

**15 REGULATORY INFORMATION**

<b>TSCA Inventory Status:</b>	No data available
<b>DSCL (EEC):</b>	No data available
<b>WHMIS (Canada):</b>	No data available
<b>DSL (Canada):</b>	No data available
<b>EU EINECS/ELINCS/NLP:</b>	No data available
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Australia AICS:</b>	No data available
<b>Japanese MITI:</b>	No data available
<b>Japan ENCS:</b>	No data available
<b>Philippines PICCS:</b>	No data available
<b>Korea KECL:</b>	No data available
<b>New Zealand NZIoC:</b>	No data available

**16 OTHER INFORMATION**

<b>Revision Date:</b>	24-Ar-2025
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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.