

Butylene Glycol

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

Revision Date: 01- May-2024
Supersedes: 04-Aug-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Butylene Glycol	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Butylene Glycol	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	107-88-0	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:	P264: Wash thoroughly after handling. P420: Store away from incompatible materials. P501: Dispose of contents/container in accordance with local and federal regulations												
Potential Health Hazards:	Eyes: Direct contact may cause irritation. Inhalation: Not expected to be an irritant. Skin: Prolonged contact may cause irritation. Ingestion: Low-hazard, may cause nausea, vomiting, or diarrhea.												
NFPA Ratings (704):	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td style="text-align: center;">1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2" style="text-align: center;">N/A</td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
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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>
Butylene Glycol	107-88-0	100%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse with water. Seek medical attention if irritation develops and persists.
Inhalation:	Move to fresh air. Seek medical attention if symptoms develop or persist.
Skin:	Wash off with soap and water. Seek medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (water dog, foam, dry chemical powder, Carbon dioxide (CO ₂)) for adjacent fire. Do not use water jet as an extinguisher, as this will spread the fire.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
Flash Points:	250°F (121°C)

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: 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: For large spills, stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush area with water. For small spills, wipe up with absorbent (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers reuse. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: 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 original tightly closed container. Store 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>
Butylene Glycol	Not available	Not available	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: Wear safety glasses with side shields (or goggles).

Inhalation: Use good general ventilation (10 air changes per hour). Ventilation rates must match conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits are not established, maintain airborne levels to an acceptable level. In case of insufficient ventilation, wear suitable respiratory equipment.

Body: Wear appropriate chemical resistant gloves and full protective clothing, including thermal protective clothing when necessary.

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Routinely wash work clothing and protective equipment to remove contaminants.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Vapor Pressure:	No data available
Odor:	Weak	Vapor Density:	3.2
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Colorless	Flammability:	Combustible IIIB estimated
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not explosive
pH:	No data available	Flash Point:	250°F (121°C)
Boiling Point:	405.5°F/207°C (101.325 kPa)	Specific Gravity:	1
Melting/Freezing Point:	-71°F/-57.22°C	Water Solubility:	No data available
Relative Density:	8.37 lbs/gal; 1.00 g/ml	Auto-Ignition Temperature:	741°F (393°C)
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available

Dynamic Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable.
Hazardous Polymerization:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	No data available.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Prolonged skin contact may cause temporary irritation.
Eyes:	Direct contact with eyes may cause temporary irritation.
Inhalation:	No data available.
Ingestion:	No data available.
Carcinogenicity:	Not classifiable as carcinogenic to humans.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Respiratory Sensitization:	Not a respiratory sensitizer for vapors, gases, dusts, and mists.
Corrosivity:	No data available.
Aspiration Hazard:	Not an aspiration hazard for vapors, gases, dusts, and mists.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	The product contains volatile organic compounds which have a photochemical ozone creation potential

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Empty containers should be recycled or disposed of through an approved waste management facility. Disposal methods identified are for the product as sold. For proper disposal of used material, 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:	Empty containers should be recycled or disposed of through an approved waste management facility. Disposal methods identified are for the product as sold. For proper disposal of used material, 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 material.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not dangerous according to transport regulations.
IATA (International Air Transport Association):	Not dangerous according to transport regulations.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Registered:	Yes
TSCA 5(a) SNUR:	No.
SARA Title III Section 313:	Not regulated.
Canada (DSL):	Listed.
EU (EINECS):	Listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Taiwan (TCSI)	No data available.
Japan (MITI):	Listed on ENCS.
Philippines (PICCS):	Listed.
Korea (ECL):	Listed.
New Zealand (NZIoC):	Listed.

16 OTHER INFORMATION

Revision Date:	01-May-2024
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.