

Butylene Glycol

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

Date: 02-20-2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Butylene Glycol	Distributor: MakingCosmetics.com Inc.
Synonyms: Not available	Address: 10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name: 1.3 Butylene Glycol	Phone / Fax: 425-292-9502 / 425-292-9601
CAS Number: 107-88-0	Web: www.makingcosmetics.com
Formula:	
Product Form: Liquid	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)
Product Use: Cosmetic use	

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: May be irritant. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: May be irritant.								
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Specific Hazard</td> <td>n/a</td> </tr> </table>	Health	1	Flammability	1	Reactivity	0	Specific Hazard	n/a
Health	1								
Flammability	1								
Reactivity	0								
Specific Hazard	n/a								

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
1,3 Butylene Glycol	56-81-5	N/A	100%

4 FIRST AID MEASURES

Eyes:	Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention.
Inhalation:	Remove to fresh air. Seek medical attention if necessary.
Skin:	Wash skin with soap and water. Seek medical attention if symptoms occur.
Ingestion:	Do not induce vomiting. Drink water. Seek medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Dry extinguishing media, foam. Do Not use Carbon dioxide.
Special protective equipment & precautions for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Flash Points:	CLOSED CUP: 85 °C (185 °F)
Specific hazards arising from the chemical:	Harmful vapors. Evolution of fumes/fog. The substances/groups of substance mentions can be released in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up: Dike and contain spill with inert material (sand, earth, etc). Transfer to containers for recovery or disposal. Wash surface with safety solvent or detergent.

7 HANDLING & STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes.

Conditions for safe storage, incl. any incompatibilities: Store in closed containers between 50°F and 120°F protected from humidity. Keep away from oxidizing agents, excessive heat, sun, spark or flame. To retain color and purify, store in stainless steel vessels with provision made to protect against absorption of moisture from air.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
1,3 Butylene Glycol	N/A		

Personal Protection:

Eyes: Safety glasses, goggles, or face shield recommended for eye protection.

Inhalation: Appropriate NIOSH approved respiratory protection may be worn.

Body: Gloves and protective clothing should be worn to prevent prolonged skin contact.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Colorless, liquid	Vapor Pressure:	<1.3 hPa
Odor:	Ester-like	Density:	0.99 g/cm ³
Taste:	Not available	Relative density:	0.99
Color:	Colorless	% volatiles:	<1%
Auto-Ignition Temperature:	402.22 °C (756 °F)	Upper/lower Flammable Limit:	LOWER: 3.1% UPPER: 11.4%
pH (1% solution)	Not available	Soluble in Water:	Dispersible
Boiling Point:	183.5 °C (362.3 °F)	Flash Point:	CLOSED CUP: 85 °C (185 °F)
Melting Point:	Not available	Specific Gravity:	Not available

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Excessive heat.

Incompatible Materials: Nitric acid, potassium per manganite, oxidants.

Hazardous Decomposition Products: Acrolein if heated to 260°C (500°F)

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral: LD50/rat: >2,000 mg/kg (OECD Guideline 401)

Skin: Non-irritant

Eyes: Not available

Respiratory: Not available

Ingestion: Not available

Carcinogenicity: Not available

Teratogenicity: No evidence of teratogenic action was found in chick embryo tests

Germ Cell Mutagenicity: Not available

Embryotoxicity: Not available

Specific Target Organ Toxicity: Not available

Reproductive Toxicity: Not available

Respiratory/Skin Sensitization: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	Not available
Aquatic Invertebrate:	Not available
Terrestrial:	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
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): Class 3: Combustible liquid. Combustible Liquid (2,3-Butanediol), n.o.s UNNA: 1993 PG: III

Note that this product is only DOT regulated when shipped in bulk quantities or if being shipped via passenger or cargo aircraft or by rail. Refer to 49CFR 173.150 (Exemptions for Class 3 and Combustible Liquids)

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 Inventory Status: TSCA 8(b) inventory: 2,3-Butylene Glycol

DSCL (EEC): R36/37/38- Irritating to eyes, respiratory system and skin. S24/25- Avoid contact with skin and eyes

WHMIS (Canada): CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F)

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

16 OTHER INFORMATION

Revision Date: 02-20-2018

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.