

Polybutene

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

Revision Date: 18-Aug-2026
Supersedes: 30-Nov-2023

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Polybutene	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Polybutene	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	9003-29-6	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:	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		
GHS Labeling:	None		
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: May be an irritant. Ingestion: May cause nausea, vomiting, and diarrhea.		
NFPA Ratings (704):	Health	0	Minimal
	Flammability	1	Slight
	Reactivity	0	Minimal
	Specific Hazard	N/A	
HMIS Ratings:	Health	0	Minimal
	Flammability	1	Slight
	Reactivity	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Polybutene	9003-29-6	100%	Not Available

4 FIRST AID MEASURES

Eyes:	Hot material: Flush eyes with plenty of water for at least 15 minutes. Seek medical assistance for mechanical removal of this material from the eye. The use of flush fluid, other than water, is not recommended. Cold material: flush eyes with plenty of water.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
Skin:	Hot material: Immediately flush with cool water for at least 15 minutes. Get immediate medical attention. Cold material: Clean exposed skin with waterless hand cleaner.
Ingestion:	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Wash out mouth with water. Call physician immediately
Physician Notes:	Medical personnel may leave the material in place to minimize physical damage to the skin. No specific treatment. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:
Special protective equipment & precautions for firefighters:

May be combustible at high temperature. Use appropriate media (use water spray (fog), foam, dry chemical or CO₂) for adjacent fire. Do not use direct water jet.

Wear self-contained, approved breathing apparatus (SCBA), operated in positive pressure mode, and full protective clothing, including eye protection and boots. Where open cell insulation has been contaminated with polybutene, spontaneous combustion may occur at temperatures as low as 138°C (280°F)

Specific hazards arising from the chemical:

Rapid depolymerization can occur in a fire and produce flammable vapors. May depolymerize at temperatures $\geq 200^{\circ}\text{C}$ with the production of extremely flammable butene monomers. Vapor may cause fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Hazardous decomposition products include carbon dioxide and carbon monoxide. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or spray. Provide adequate ventilation. 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. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up:

Small spill: For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal.

Large spill: For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material and runoff with soil and surface waterways. Treat as an oil spill. See section 13 for waste disposal information. Dispose of in compliance with Federal, State and Local regulations. Contain/collect rapidly to minimize dispersion.

7 HANDLING & STORAGE

Precautions for safe handling:

Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Normal handling and storage consistent with good manufacturing practices should be used. 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 a segregated and approved area. A potentially flammable atmosphere may be generated if material is held hot for prolonged periods. For prolonged storage at temperatures of 140°F ($\geq 60^{\circ}\text{C}$), keep in rust-free tanks and exclude oxygen by use of a nitrogen blanket. Heating systems which generate localized hot spots should never be used. Suitable storage materials are mild steel / carbon steel. Store and use away from heat, sparks, open flame or any other ignition source. Keep tightly closed, in a cool, well-ventilated area. Keep away incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component
Polybutene

Exposure Limits
Not available

Basis

Entity

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:	Safety glasses with side shields. Goggles, face shield or other full-face protection should be worn if there is a risk of direct exposure to aerosols or splashes or when material is handled hot.
Inhalation:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. If ventilation is inadequate, use respirator that will protect against organic vapor and dust/mist.
Body:	Wear apron or coverall if there is a risk of exposure to splashes. When handling hot material, wear heat-resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other:	Use good personal hygiene practices. Promptly remove soiled clothing wash thoroughly before reuse. Shower after work using plenty of soap and water. 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 20°C:	<0.1 kPa (<0.75 mm Hg)
Odor:	Characteristic	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear, colorless	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	4 - 7	Flash Point:	>257°F (>125°C) [Closed cup] >302°F (>150°C) [Open cup]
Boiling Point:	Polymer decomposes before reaching a boiling point	Specific Gravity:	No data available
Melting Point:	No data available	Solubility in Water:	No data available
Relative Density:	0.869 - 0.906	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	>200°C with production of extremely flammable butene monomers
Kinematic Viscosity:	40°C (104°F): >500 mm ² /s (>500 cSt)	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability:	Stable under recommended storage and handling conditions (see Section 7).
Hazardous Polymerization:	May depolymerize at temperatures >392°F (>200°C) with the production of extremely flammable butene monomers
Conditions to Avoid:	Keep away from all sources of ignition, heat, sparks, flame. Avoid strong oxidizing conditions. For quality reasons avoid extended exposure to temperatures > 60°C in the presence of air as product may become discolored
Incompatible Materials:	Strong oxidizing agents; acidic clays at >100°C
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Heated material can cause thermal burns. (Rabbit, Dermal) LD50: >10250 mg/kg (similar material).
Eyes:	May cause slight transient irritation. Heated material can cause thermal burns.
Respiratory:	Exposure to aerosols or particulates from heated material may cause adverse lung effects if high concentrations are inhaled
Ingestion:	Ingestion may cause gastrointestinal irritation and diarrhea.

Carcinogenicity:	(Rat, Oral) LD50: >34600 mg/kg (similar material). No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).
Teratogenicity:	No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.
Germ Cell Mutagenicity:	No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a mutagen.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a reproductive toxin.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Disperse residue to reduce aquatic harm.
Aquatic Vertebrate:	(Fish) LC50: >1000 mg/l; 96 hours (similar material).
Aquatic Invertebrate:	(Daphnia) EC50: >1000 mg/l; 48 hours (similar material).
Conclusion/Summary:	Aquatic studies of materials with very low water solubility often refer to the amount of chemical added to the test system, not the amount dissolved in water. Most acute aquatic toxicity studies of these have used the water-accommodated fraction (WAF) obtained by mixing the test chemical in water for 20 to 24 hours, then siphoning the water for use in the test. The water-soluble fraction (WSF) is a similar approach. These materials are not expected to adversely affect microbial activity. Following a modified OECD Method 209, bacterial inhibition using activated sludge microbes was tested with several grades of this material. The tests showed no bacterial inhibition at loadings of up to 25 mg/L, measured through oxygen consumption (respiration). In separate tests, the biological oxygen demand (BOD) of the microorganisms was measured. In these tests, there was no evidence of bacterial toxicity, even at loadings of about 200,000 mg/L. In addition, an epoxidized form of this material was found to be non-mutagenic and non-toxic to the microorganism used in the Ames mutagenicity assay, Salmonella typhimurium.
Persistence and Degradability:	This product is unlikely to biodegrade at a significant rate.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	This product is not likely to move rapidly with surface or groundwater flows because of its low water solubility. This product is not likely to volatilize rapidly into the air because of its low vapor pressure.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No known significant effects or critical hazards.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Avoid contact of spilled material with soil and prevent runoff entering surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. 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 may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards. Labels should not be removed from containers until they have been cleaned. 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):	This material is not regulated for transport when shipped in non-bulk packages or when shipped <100°C this material is not regulated.
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TDG (Transportation of Dangerous Goods, Canada):
IMDG (International Maritime Dangerous Goods):

IATA (International Air Transport Association):

ICAO (International Civil Aviation Organization):
Special Precautions for User:

Transport in Bulk according to IMO Instructions:

UN Number: UN3257
 Proper Shipping Name: Elevated temperature liquid, n.o.s. (Polybutene)
 Class: 9
 Packing Group: III
 Environmental Hazard: No.
 Additional Information: No limited quantity.
 (Packaging instruction) Exceptions: None.
 Non-bulk: None. Bulk: 247.
 Quantity limitation: Passenger aircraft/rail: Forbidden. Cargo aircraft: Forbidden. Special provisions: IB1, T3, TP3, TP29
 No data available.
 This material is not regulated for transport when shipped in non-bulk packages or when shipped <100°C this material is not regulated.
 UN Number: UN3257
 Proper Shipping Name: Elevated temperature liquid, n.o.s. (Polybutene)
 Class: 9
 Packing Group: III
 Environmental Hazard: No.
 Additional Information: Emergency Schedules; F-A, _S-P_
 Special Provisions: 232, 274
 This material is not regulated for transport when shipped in non-bulk packages or when shipped <100°C this material is not regulated.
 UN Proper Shipping Name: Forbidden.
 No data available.
 Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage
 Proper Shipping Name: Polybutene
 Remarks: Liquid Bulk categories
 Ship type: 2
 Pollution category: Yes.

15 REGULATORY INFORMATION

TSCA Inventory 8b:	Listed as Active
Clean Air Act - 112 (HAPS):	Not listed under hazardous air pollutants.
Clean Air Act - 602, Class 1:	Not listed.
Clean Air Act - 602, Class 2:	Not listed.
DEA List I Chemicals:	Not listed under precursor chemicals.
DEA List II Chemicals:	Not listed under essential chemicals.
SARA 302/304:	No products were found.
SARA 304 RQ:	Not applicable under reportable quantity.
SARA 311/312:	Not applicable.
SARA 313:	Not applicable.
State Regulations:	This material is not listed under MA, NY, NJ, PA.
California Prop. 65:	This product does not require a Safe Harbor warning under California Prop. 65.
Chemical Weapon Convention	Not listed.
List Schedules I, II & III:	
Montreal Protocol:	Not listed.
Stockholm:	Not listed under Convention on Persistent Organic Pollutants.
Rotterdam (PIC):	Not listed under Prior Informed Consent.
UNECE Aarhus Protocol:	Not listed on POPs and Heavy Metals.
Canada:	Listed.
Eurasian Economic Union:	Listed.
Europe:	Exempted.
China:	Listed.
Australia:	Listed.
Japan:	Listed.
New Zealand:	Listed.
Philippines:	Listed.

Republic of Korea:	Consult Product Stewardship
Taiwan:	Listed.
Thailand:	Listed.
Tukey:	Exempted.
United States:	Listed as active.
Viet Nam:	Listed.
Great Britain:	Exempted.

16 OTHER INFORMATION

Revision Date:	18-Aug-2026
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.