

Benzoyl Peroxide Gel, USP

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

Revision Date: 12-Feb-2026
Supersedes: 12-Jun-2024

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Benzoyl Peroxide Gel, USP	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Water (and) Benzoyl Peroxide	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	7732-18-5, 94-36-0	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: Serious eye damage/eye irritation Category 2A
Skin sensitization, Category 1

GHS Signal Word: **WARNING!**

GHS Hazard Pictograms: 

GHS Hazard Statements: H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

GHS Precautionary Statements: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash face, hands, and any exposed skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: If on skin: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Potential Health Hazards: Eyes: Causes serious eye irritation.
Inhalation: Not expected to be irritant.
Skin: May be an irritant.
Ingestion: May cause gastrointestinal irritation, nausea, and vomiting.

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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Hazard Classification</u>
Water	7732-18-5	40-60%	Not classified
Benzoyl Peroxide	94-36-0	30-44%	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317

4 FIRST AID MEASURES

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin: Wash contaminated clothing before reuse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Call a poison center/doctor/physician if you feel unwell.

Symptoms: May cause an allergic skin reaction. Irritation in contact with eyes. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: No fire or direct explosion hazard. Use appropriate media (water spray, dry powder, foam, carbon dioxide) for adjacent fire. Do not use direct water jet/heavy water stream as this may spread the fire.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Fight fire from safe distance and protected location.

Flash Points: 199°F (93.3°C)

Specific hazards arising from the chemical: Carbon oxides (CO, CO₂). Toxic fumes may be released. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

General Measures: Evacuate unnecessary personnel. Stop leak if safe to do so. Absorb spillage to prevent material-damage. Ventilate the area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Personal precautions, protective equipment & emergency procedures: Do not get in eyes, on skin, or on clothing. Wear protective gloves. 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: Dike ahead of any spill and use absorbent material. Place in approved waste containers and dispose of in accordance with all local and federal rules and regulations.

Methods and material for containment and cleaning up: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. For waste disposal see section 13 and contact proper local authorities.

7 HANDLING & STORAGE

Precautions for safe handling: Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Mix well before use. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 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, well-ventilated place <100°F (<38°C). Store in original tightly sealed container. Store locked up. Do not store near any incompatible materials (see section 10 for incompatibilities). Storage area should be clearly identified, clear of obstruction, and accessible to only trained and authorized personnel. Inspect periodically for damage or leaks.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Benzoyl peroxide	5 mg/m ³	TWA	USA -ACGIH 2021
	5 mg/m ³	PEL TWA	USA - OSHA Table Z-1
	1500 mg/m ³	IDLH	USA - IDLH
	5 mg/m ³	REL TWA	USA - NIOSH

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels

PEL: Permissible Exposure Limit

CEIL: Ceiling

Personal Protection:

Eyes: Safety goggles should be worn. If splashes are likely to occur, wear face shield.
Inhalation: In case of insufficient ventilation, wear suitable respiratory equipment.
Body: Wear protective gloves and full suitable protective clothing.
Other: 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

Appearance:	Viscous liquid	Vapor Pressure:	No data available
Odor:	Mild odor	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	Not applicable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	4.8 - 6.6	Flash Point:	199°F (93.3°C)
Boiling Point:	>200°F (>100°C)	Density:	1.20 (water=1)
Melting Point:	No data available	Solubility:	Dispersible
Relative Density:	1.2 (water=1)	Auto-Ignition Temperature:	217°F (103°C)
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	None reported
Oxidizing Properties:	Organic Peroxide Type G (Dibenzoyl Peroxide <=42 wt. % as a stable dispersion in water).	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity: Heating may cause a fire. The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: No data available.

Conditions to Avoid: Store in a dry, well-ventilated place away from sources of heat, ignition and direct sunlight. Incompatible materials. None under recommended storage and handling conditions (see section 7).

Incompatible Materials: Metals. Combustible materials. Strong reducing agents.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possible Hazardous Reactions: No dangerous reactions known under normal conditions of use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified under oral, dermal, or inhalation acute toxicity.

Skin: May cause an allergic skin irritation.

Eyes: Causes serious eye irritation.

Respiratory: None under normal conditions.

Ingestion: (Rat)Component: Benzoyl Peroxide: LD50: 7710 mg/kg. No symptoms/effects under normal conditions of use.

Carcinogenicity: Not classified.

Teratogenicity: No data available.

Germ Cell Mutagenicity: Not classified.

Embryotoxicity: No data available.

Specific Target Organ Toxicity: Not classified under single or repeated exposure.

Reproductive Toxicity: Not classified.

Respiratory/Skin Sensitization: May cause an allergic skin reaction.

Aspiration Hazard: Not classified.

Skin Corrosion/Irritation: Not classified.

12 ECOLOGICAL INFORMATION

Toxicity

Ecology - General:	Toxic to aquatic life
Algae:	ErC50 algae: 0.071 mg/l Source: ECHA
Persistence and Degradability:	Readily Biodegradable.
Bioaccumulative Potential:	Bioaccumulation is not expected to occur
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data 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.
Product Containers:	Do not re-use empty 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):

IMDG (International Maritime Dangerous Goods):



IATA (International Air Transport Association):



TDG (Transportation of Dangerous Goods, Canada):

ICAO (International Civil Aviation Organization):

Special transport precautions

Not applicable.

UN Number: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

Transport hazard class: 9

Packing group: III

Environmental hazards: Dangerous for the environment: Yes

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No data available.

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This product is not regulated as Class 5.2 for transport as per Approval CA2015120006 issued by the Pipeline and Hazardous Materials Safety Administration of the U.S. Department of Transportation.

15 REGULATORY INFORMATION

TSCA Inventory Status:

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

SARA Section 313 or Title III:

Benzoyl Peroxide CAS-No. 94-36-0 (30 - 44%).

NJ Right to Know:

Benzoyl Peroxide (CAS-No. 94-36-0).

PA Right to Know:

Benzoyl Peroxide (CAS-No. 94-36-0).

MA Right to Know:

Benzoyl Peroxide (CAS-No. 94-36-0).

16 OTHER INFORMATION

Revision Date:

12-Feb-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.