

Bacillus Ferment


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

Revision Date: 02-Jul-2025
Supersedes: 17-Apr-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Bacillus Ferment	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Water (and) Glycerin (and) Propylene Glycol (and) Bacillus Ferment	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	7732-18-5, 56-81-5, 57-55-6, 100085-62-9	Web:	www.makingcosmetics.com
Formula:	No data available	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)
Product Form:	Liquid		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Classification:	Serious eye damage: Category 1 Respiratory sensitization: Category 1		
GHS Signal Word:	DANGER!		
GHS Hazard Pictograms:			
GHS Hazard Statements:	H318 Causes serious eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
GHS Precautionary Statements:	(Prevention) P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P280: Wear eye protection/ face protection. P285: In case of inadequate ventilation wear respiratory protection. (Response) P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. (Disposal) P501: Dispose of contents/ container to an approved waste disposal plant.		
Potential Health Hazards:	Eyes: Causes serious eye damage. Inhalation: May cause allergy or asthma symptoms or breathing difficulties. Skin: May be an irritant. Ingestion: May cause nausea, vomiting, and diarrhea.		
NFPA Ratings (704):	Health	2	Moderate
	Flammability	0	Minimal
	Reactivity	N/A	N/A
	Specific Hazard	N/A	
HMIS II Ratings:	Health	2	Moderate
	Flammability	0	Minimal
	Reactivity	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Water	7732-18-5	QSP 100%	Not Available
Glycerin	56-81-5	≈30%	Not Available
Propylene Glycol	57-55-6	≈25%	Not Available
Bacillus Ferment	100085-62-9	≈3.5%	Not Available
Potassium Sorbate	24634-61-5	Not Available	Not Available

4 FIRST AID MEASURES

Eyes:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Inhalation:	If breathed in, move person into fresh air. Call a physician or poison control center immediately. If symptoms persist, call a physician.
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If symptoms persist, call a physician.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or doctor immediately.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water spray, alcohol-resistant foam, dry chemical or carbon dioxide) for surrounding environment and adjacent fire. Do not use high volume water jet as it may spread the fire.
Special protective equipment & precautions for firefighters:	Follow standard procedure for chemical fires. Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	>212 °F (>100 °C)
Specific hazards arising from the chemical:	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Ensure 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/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. 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>
Glycerine	10 mg/m ³	TWA (Total)	OSHA P0
	5 mg/m ³	TWA (Respirable fraction)	OSHA P0
	5 mg/m ³	TWA (mist, respirable fraction)	OSHA Z-1
	15 mg/m ³	TWA (mist, total dust)	OSHA Z-1
	10 mg/m ³	TWA	ACGIH
Propylene Glycol	10 mg/m ³	TWA	US WEEL

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 tightly fitting safety goggles.
Inhalation:	In the case of vapor formation use a respirator with an approved filter.
Body:	Wear impervious gloves and impervious 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:	Liquid	Vapor Pressure:	No data available
Odor:	No data available	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Brown	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	5.0 - 7.0	Flash Point:	>212°F (>100°C)
Boiling Point:	No data available	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility:	Soluble
Density:	1.000 - 1.200 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
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:	No data available.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	In case of fire hazardous decomposition carbon oxides may be produced.
Possible Hazardous Reactions:	No dangerous reaction known under conditions of normal use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No data available.
Eyes:	No data available.
Inhalation:	No data available.
Ingestion:	No data available.
Carcinogenicity:	No data available.
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.
Skin Sensitization:	Bacillus Ferment; Result: Does not cause skin sensitization; Method: Human repeat insult patch test (HRIPT); Test substance: 5%; Remarks: The toxicological data has been taken from products of similar composition.
Serious Eye Damage/Irritation:	Bacillus Ferment; Result: slight irritation; Remarks: The toxicological data has been taken from products of similar composition.
Skin Corrosion/Irritation:	Bacillus Ferment; Result: slight irritation Test substance: 5% Remarks: The toxicological data has been taken from products of similar composition. Method: Patch Test on humans; Result: Well tolerated; Test substance: 5%; Remarks: The toxicological data has been taken from products of similar composition.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
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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:	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:	Empty remaining contents. Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. 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.
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):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available.
SARA 311/312:	Acute Health Hazard.
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
PA Right to Know:	Glycerine (CAS: 56-81-5) 30-40%, Propylene glycol (CAS: 57-55-6) 20-30%, Bacillus Ferment (CAS: 100085-62-91) 1-5%.
NJ Right to Know:	Glycerine (CAS: 56-81-5) 30-40%, Propylene glycol (CAS: 57-55-6) 20-30%, Bacillus Ferment (CAS: 100085-62-91) 1-5%.
California Prop. 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

16 OTHER INFORMATION

Revision Date:	02-Jul-2025
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.