

Biotin Liposomes

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

Revision Date: 02-Jun-2021
Supersedes: 28-Apr-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Biotin Liposomes	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Water, alcohol, panthenol, lecithin, tocopheryl acetate, caffeine, biotin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	7732-18-5, 64-17-5, 81-13-0, 8002-43-5, 7695- 91-2, 58-08-2, 58-85-5	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:	Not classified												
GHS Labeling:	Not a dangerous substance according to GHS												
GHS Hazard Pictograms:	None												
GHS Hazard Statements:	None												
GHS Precautionary Statements:	None												
Potential Health Hazards:	Eyes: Not expected to be irritant. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: Not expected to be irritant.												
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;">3</td> <td>Serious</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 style="text-align: center;">N/A</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	3	Serious	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	1	Slight											
Flammability	3	Serious											
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>
Water	7732-18-5	>50%	Not Available
Alcohol	64-17-5	10-25%	Not Available
Panthenol	81-13-0	10-25%	Not Available
Lecithin	8002-43-5	10-25%	Not Available
Tocopheryl Acetate	7695-91-2	1-5%	Not Available
Caffeine	58-08-2	1-5%	Not Available
Biotin	58-85-5	<0.1%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse with plenty of water immediately. Seek medical attention if necessary.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek medical advice.
Skin:	Remove soiled or soaked clothing immediately. In case of contact with skin, wash off immediately with plenty of water. Consult a doctor in the event of permanent skin irritation.
Ingestion:	Thoroughly clean the mouth with water. In the event of symptoms seek medical advice. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable)	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry
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extinguishing media:	powder, water spray) for adjacent fire. Do not use full water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Do not inhale explosion and/or combustion gases. Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Vapors may form explosive mixtures with air. Cool endangered containers by water spray.
Flash Points:	35.0°C (DIN 51 755) This material will flash but does not sustain combustion.
Specific hazards arising from the chemical:	Vapors may form explosive mixtures with air. May be released in case of fire: carbon monoxide, carbon dioxide. Under certain fire conditions, traces of other toxic products may occur. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep away from sources of ignition - no smoking. 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. Do not discharge into the subsoil/soil. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Take up with absorbent material (e.g., sand, kieselguhr, universal binger). Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Do not inhale gases/vapors/aerosols. Avoid contact with skin and eyes. No special measures necessary if stored and handled as prescribed. Wear respiratory protection when spraying. See section 8 for recommendations on the use of personal protective equipment. Do not eat, drink, or smoke when working. Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product.
Conditions for safe storage, incl. any incompatibilities:	Keep container tightly closed and dry. Protect from heat and exposure to direct sunlight. Keep away incompatible materials (see section 10 for incompatibilities). Keep tightly sealed in original packaging. Keep in a dry, cool, and well-ventilated place. Storage temperature 20°C

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Biotin Liposomes	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:	Safety glasses with side-shields should be worn.
Inhalation:	In case of formation of vapors/aerosols: short term: filter apparatus, combination filter A-P2.
Body:	Protective clothing should be worn. Gloves made of nitril (NBR), break through time: 480 min.
Other:	Do not eat, drink, or smoke when working. Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product. 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:	Beige viscous liquid	Vapor Pressure:	No data available
Odor:	Characteristic	Vapor Density:	Not measured
Odor Threshold:	No data available	Evaporation Rate:	Not measured
Color:	Beige	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not applicable
pH (@ 23 °C):	6.3-7.3	Flash Point (DIN 51 755):	35.0°C This material will flash but does not sustain combustion.
Boiling Point:	No data available	Specific Gravity:	No data available

Melting Point:	No data available	Solubility in Water:	Miscible
Relative Density:	Not measured	Auto-Ignition Temperature:	Not expected during handling from practical experience
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	Not expected during handling from practical experience
Kinematic Viscosity:	Not determined	Explosive Properties:	Not to be expected in the view of structure
Oxidizing Properties:	Not expected during handling from practical experience	Freezing Point:	Not applicable
Formation of Flammable Gases:	Not expected during handling from practical experience	Metal Corrosion:	Not expected during handling from practical experience

10 STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions with proper storage and handling.
Chemical Stability:	The product is stable under normal conditions.
Hazardous Polymerization:	No hazardous reactions with proper storage and handling.
Conditions to Avoid:	Unknown.
Incompatible Materials:	Not known.
Hazardous Decomposition Products:	None with proper storage and handling.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	Relevant route of exposure.
Eyes:	Relevant route of exposure.
Respiratory:	Relevant route of exposure.
Ingestion:	If handled correctly, not a relevant route of exposure.
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
Respiratory/Skin Sensitization:	No data available
Corrosivity:	Not irritating. (Patch Test, 24h)
Serious Eye Damage/Eye Irritation:	Moderately irritating.
Aspiration Hazard:	Not classified.
Sensitization:	Not sensitizing.
Irritation:	No data available
Repeated Dose Toxicity:	No data available
Other Effects:	Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
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:	Do not allow to enter soil, waterways, or waste water canal. The product is classified as highly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV)).

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

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| DOT (Dept. of Transportation, USA): | No data available |
| TDG (Transportation of Dangerous Goods, Canada): | Not regulated as a dangerous good. |
| IMDG (International Maritime Dangerous Goods): | Not regulated as a dangerous good. |
| IATA (International Air Transport Association): | Not regulated as a dangerous good. |
| ICAO (International Civil Aviation Organization): | No data available |
| 49 CFR: | Not regulated as a dangerous good. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: | Not applicable for product as supplied. |

15 REGULATORY INFORMATION

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| TSCA Inventory Status: | Included on inventory. |
| TSCA Section 12 (b) Export Notification (40 CFR 707, Subpt. D): | None present or none present in regulated quantities. |
| TSCA Section 5(a)(2) SNURs (40 CFR 721, Subpt. E): | None present or none present in regulated quantities. |
| DSCL (EEC): | No data available |
| DSL (Canada): | Included on inventory. |
| EU EINECS/ELINCS/NLP: | Substance is in compliance with REACH requirements for cosmetic product components. |
| China IECSC: | Not on inventory. |
| China IECIC (06.30.2014): | No data available |
| Australia AICS: | Included on inventory. |
| Japan ENCS: | Included on inventory. |
| Philippines PICCS: | Included on inventory. |
| Korea KECI: | Not regulated by TCCA, regulated by Cosmetics Act. |
| New Zealand NZIoC: | No data available |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): | None present or none present in regulated quantities. |
| CERCLA Hazardous Substance List (40 CFR 302.4): | Ethanol: Reportable quantity 100lbs |
| SARA Hazard Categories: | Not classified |
| SARA 302 Extremely Hazardous Substances: | None present or none present in regulated quantities. |
| SARA 313 (TRI Reporting): | None present or none present in regulated quantities. |
| Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): | None present or none present in regulated quantities. |
| Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): | None present or none present in regulated quantities. |
| California Prop 65: | WARNING: This product can expose you to chemicals including, Ethanol, which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm. |
| New Jersey Worker and Community Right-to-Know Act: | Ethanol |
| Massachusetts RTK - Substance List: | No ingredient regulated by MA Right-to-Know Law present. |

Pennsylvania RTK - Hazardous
Substances:

Ethanol

Rhode Island RTK:

No ingredient regulated by RI Right-to-Know Law present.

16 OTHER INFORMATION

Revision Date: 15-Jun-2021

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.