Lacto-Ceramide

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

Revision Date: 16-Aug-2021
Supersedes: 01-Mar-2017

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Lacto-Ceramide
Synonyms: No data available
INCI Name: Ceramide 3, milk lipids
CAS Number: 100403-19-8, 72968-43-5
Formula: No data available
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

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):

Health	0	Minimal
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Milk Lipids	72968-43-5	1-5%	Not Available
Ceramide-3[1]	100403-19-8	0.1-1%	Not Available
Phytosphingosine	554-62-1 13552-11-9	0.1-1%	Not Available
Water	7732-18-5	>50%	Not Available
Glycerin	56-81-5	25-50%	Not Available
Disodium Phosphate	7782-85-6	0.1-1%	Not Available
Lactic Acid	79-33-4	0.1-1%	Not Available
Chlorohexidine Digluconate[2]	18472-51-0	0.1-1%	Not Available
Tocopheryl Acetate	7695-91-2	<0.1%	Not Available
BHT	128-37-0	<0.1%	Not Available

[1]Also called Ceramide NP
[2]Regulated as preservative in cosmetics in some countries, e.g., Europe, China, Japan

4 FIRST AID MEASURES

Eyes: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a physician.
Inhalation: Move to fresh air. If symptoms persist, call a physician.
Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Seek medical attention if necessary.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Do Not

Induce Vomiting! Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (alcohol-resistant foam, dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment) for adjacent fire. Do not use direct water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	>392°F (>250°C)
Specific hazards arising from the chemical:	Product will burn under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	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:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Methods and material for containment and cleaning up:	Wipe up with absorbent material (e.g., cloth, fleece). Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. 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:	Keep container tightly closed and dry. Protect against light. Keep away from heat and incompatible materials (see section 10 for incompatibilities). Recommended storage temperature: 36-46°F (2-8°C)

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Glycerin	10 mg/m^3	TWA (mist – total dust)	OSHA P0
	5 mg/m^3	TWA (mist – respirable fraction)	OSHA P0

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 vapor formation use a respirator with an approved filter.
Body:	Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Consider the hazard characteristics of this product and any special workplace conditions when selecting the appropriate type of gloves (glove material: for example, nitrile rubber).
Other:	Wash hands before breaks and at the end of workday. 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:**	Not determined
Odor:	No data available	**Vapor Density:**	Not applicable
Odor Threshold:	No data available	**Evaporation Rate:**	Not determined
Color:	Pale yellow	**Flammability:**	No data available

Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	Not determined
pH:	6.0-7.0	**Flash Point:**	>392°F (>250°C)
Boiling Point:	Not determined	**Specific Gravity:**	No data available
Melting Point:	Not determined	**Solubility in Water:**	Soluble
Relative Density:	1.08-1.12	**Auto-Ignition Temperature:**	Not determined
Partition Coefficient: n-octanol/water:	Not applicable	**Decomposition Temperature:**	No data available
Viscosity, dynamic:	Not determined	**Explosive Properties:**	Not explosive
Oxidizing Properties:	No data available	**Freezing Point:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No hazards to be specially mentioned.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Possible incompatibility with materials listed below.
Conditions to Avoid:	Heat.
Incompatible Materials:	Strong acids and strong bases. Strong oxidizing agents.
Hazardous Decomposition Products:	No decomposition if used as directed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No phototoxic skin reaction
Eyes:	No eye irritation (OECD Test Guideline 405)
Respiratory:	No data available
Ingestion:	LD50: >5000 mg/kg (OECD Test Guideline 401)
Carcinogenicity:	Not classified as carcinogen by IARC, OSHA, or NTP.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Not mutagenic (Ames test, OECD Test Guideline 471)
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	Did not cause sensitization (OECD Test Guideline 406) No photoallergenic skin reaction.
Irritation:	No skin irritation (Patch Test 48 hrs)
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

13 DISPOSAL CONSIDERATIONS

Waste Residues: User must determine if any wastes generated exhibit hazardous characteristics as per 40 CFR Part 261 or other national / local legislation. Discharge into the environment must be avoided. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Offer

	surplus and non-recyclable solutions to a licensed disposal company.
Product Containers:	Dispose of as unused product. Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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):	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
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable for product as supplied.
49 CFR:	Not classified as dangerous in the meaning of transport regulations.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
DSL (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
Japan ENCS:	No data available
Philippines PICCS:	No data available
Korea KECI:	No data available
New Zealand NZIoC:	No data available
CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304 EHS Reportable Quantity:	This material does not contain any components with a section 304 Extremely Hazardous Substances RQ.
SARA 311/312 Hazards:	No SARA Hazards.
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.
Clean Air Act:	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489): - Glycerin (CAS 56-81-5) 40.2%
Clean Water Act:	This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3: - Sodium phosphate, dibasic, heptahydrate (CAS 7782-85-6) 0.54% This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
Massachusetts RTK:	Glycerin (CAS 56-81-5)
Pennsylvania RTK:	Water (CAS 7732-18-5) Glycerin (CAS 56-81-5)

16 OTHER INFORMATION

Revision Date: 16-Aug-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 suitableness & completeness of such information for his own particular use.