

## Lactobacillus Ferment

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

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### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Lactobacillus Ferment  
**Synonyms:** No data available  
**INCI Name:** Lactobacillus Ferment  
**CAS Number:** 1686112-36-6, 68333-16-4  
**Formula:** No data available  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://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: May be an irritant.  
Inhalation: May be an irritant.  
Skin: Not expected to be an irritant.  
Ingestion: May cause nausea, vomiting, and diarrhea.

**NFPA Ratings (704):**

Health	0	Minimal
Flammability	0	Minimal
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>
Lactobacillus Ferment	1686112-36-6 / 68333-16-4	100%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

**Inhalation:** Move to fresh air from exposure area. Get medical attention for any breathing difficulty.

**Skin:** Rinse with soap and water. Get medical advice if irritation develops.

**Ingestion:** Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Consult with a physician.

**General Notes:** In all cases of doubt, or when symptoms persist, seek medical attention. No special protection is required for first-aiders.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperatures. Use appropriate media (water, dry chemicals, foam, and carbon dioxide) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.

**Special protective equipment & precautions for firefighters:** Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area.

**Flash Points:** >200°F (392°C)

**Specific hazards arising from the** Not considered to be a fire and explosion hazard. See also Stability and reactivity section.

chemical:

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Avoid contact with eyes. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation. Wash non-recoverable remainder with water. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Keep out of the reach of children. For industrial use, only as directed. Wash hands after use. Avoid storage near feed or food stuff. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep container closed. Store in a dry place at temperatures $\leq 89.6^{\circ}\text{F}$ ( $\leq 32^{\circ}\text{C}$ ). Based on stability studies, the optimum storage temperature for maximization of shelf life is $73-77^{\circ}\text{F}$ ( $23-25^{\circ}\text{C}$ ). However, it may be stored at temperatures between $60-89^{\circ}\text{F}$ ( $16-32^{\circ}\text{C}$ ) if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product. Product may be packaged in normal commercial packaging, such as polypropylene & high-density polyethylene. 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>
Lactobacillus Ferment	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:

<b>Eyes:</b>	Wear safety glasses.
<b>Inhalation:</b>	Provide local exhaust.
<b>Body:</b>	Wear protective gloves made of rubber or neoprene and full suitable protective clothing.
<b>Other:</b>	Use good personal hygiene practices. Ensure adequate ventilation. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear to hazy liquid	<b>Vapor Pressure:</b>	Not applicable
<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	Not applicable
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Colorless to yellow	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH (Direct):</b>	3.0 - 7.0	<b>Flash Point:</b>	$>200^{\circ}\text{F}$ ( $392^{\circ}\text{C}$ )
<b>Boiling Point:</b>	$212^{\circ}\text{F}$ ( $100^{\circ}\text{C}$ )	<b>Specific Gravity at <math>25^{\circ}\text{C}</math>:</b>	0.990 - 1.110
<b>Freezing Point:</b>	$32^{\circ}\text{F}$ ( $0^{\circ}\text{C}$ )	<b>Water Solubility:</b>	Soluble
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	Not oxidizing	<b>Heavy Metals:</b>	$<20$ ppm
<b>Lead:</b>	$<10$ ppm	<b>Arsenic:</b>	$<2$ ppm

<b>Cadmium:</b>	<1 ppm	<b>Bacteriocins (HPLC):</b>	1.00 - 10.00%
<b>E. Coli (ATCC #8739)</b>	0.25 - 1.00%	<b>S. aureus (ATCC #6538):</b>	0.25 - 1.00%
<b>P. aeruginosa (ATCC #9027):</b>	0.25 - 1.00%	<b>C. albicans (ATCC #10231):</b>	A.25 - 1.00%
<b>A. brasiliensis (ATCC #16404):</b>	0.25 - 1.00%	<b>K<sub>ow</sub>/Log (K<sub>ow</sub>):</b>	Kow: <0.1131, Log (Kow): <0.9468

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizers.
<b>Hazardous Decomposition Products:</b>	None known.
<b>Possible Hazardous Reactions:</b>	None known.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Non-Irritant, Non-Primary Sensitizer & Non-Photo irritant.
<b>Skin:</b>	Non-Irritant (Dermal Irritation Model).
<b>Eyes:</b>	Non-Irritant (Ocular Irritation Model).
<b>Inhalation:</b>	Not Determined.
<b>Ingestion:</b>	Not Determined.
<b>Carcinogenicity:</b>	No known effects.
<b>Teratogenicity:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	Non-Mutagenic (OECD471/ISO10993.Part 3 - Genotoxicity: Bacterial Reverse Mutation Test).
<b>Endocrine Disruption:</b>	No endocrine disrupting properties with respect to the promotion or inhibition of 17β- estradiol and testosterone production (OECD456: H295R Steroidogenesis Assay).
<b>Specific Target Organ Toxicity:</b>	No known effects for repeated dose toxicity.
<b>Reproductive Toxicity:</b>	No known effects.
<b>Sensitization:</b>	Non-Primary Irritant & Non-Primary Sensitizer (RIPT, In-Vitro Skin Sensitization Report & Direct Peptide Reactivity Assay).
<b>Neuro-Toxicity:</b>	No known effects.
<b>Additional Toxicological Information:</b>	This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	No data available.
<b>Aquatic Invertebrate:</b>	No data available.
<b>Freshwater Alga:</b>	EC10 (Freshwater Alga): 129.32 mg/L - Not harmful to aquatic organisms. EC20 (Freshwater Alga): 217.80 mg/L - Not harmful to aquatic organisms.
<b>Persistence and Degradability:</b>	Readily Biodegradable (91% biodegradation after 28 days of testing).
<b>Bioaccumulative Potential:</b>	Not determined.
<b>Mobility in Soil:</b>	Ultimate destination of the product: Soil & sediment.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	None known.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	Cleaning is not required prior to 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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated for US DOT Transport in non-bulk containers. This material is not dangerous or hazardous.
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available.
<b>IMDG (International Maritime Dangerous Goods):</b>	Material is not restrictive for sea transport and is not regulated.
<b>IATA (International Air Transport Association):</b>	Material is not restrictive for air transport and is not regulated.
<b>ICAO (International Civil Aviation Organization):</b>	Material is not restrictive for air transport and is not regulated.
<b>ADR/RID (Road and Rail Transportation):</b>	Material is not restrictive for land transport and is not regulated.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Exempt.
<b>EC Regulations:</b>	This product does not need to be labeled in accordance with EC Directives or respective national laws.
<b>United Kingdom:</b>	Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental; Hygiene Guidance: EH40; Workplace Exposure Limits (revised annually).
<b>Canada (CEPA/DSL):</b>	Not Listed: Lactobacillus Ferment (1686112-36-6) Listed as Lactobacillus acidophilus.
<b>China (IECSC):</b>	Listed.
<b>Australia (AICS):</b>	Not Listed: 1686112-36-6. Listed: 68333-16-4.
<b>Japan (MITI):</b>	Listed.
<b>Philippines:</b>	Not Listed: Lactobacillus Ferment (1686112-36-6 (or) 68333-16-4).
<b>Korea Regulations:</b>	Listed. Industrial safety and hygiene regulation: No; Hazardous material control regulation: No; Fire prevention regulation: No

## 16 OTHER INFORMATION

<b>Revision Date:</b>	28-Mar-2025
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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.