Saccharomyces-Copper Ferment

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

Revision Date: 03-Feb-2026
Supersedes: 15-Mar-2024

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Saccharomyces-Copper Ferment
Synonyms: No data available
INCI Name: Saccharomyces /Copper Ferment (and) Glycerin
CAS Number: 56-81-5
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 an irritant.
Inhalation: Not expected to be an irritant.
Skin: Not expected to be an irritant.
Ingestion: May cause nausea, vomiting, and diarrhea.

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 %	Hazard Class
Saccharomyces /Copper Ferment	N/A	86.2 - 92.2%	Not classified
Glycerin	56-81-5	7 - 13%	Not classified
Phenoxyethanol	122-99-6	0.11- 0.5%	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

4 FIRST AID MEASURES

Eyes: Rinse thoroughly with water for some minutes. Seek medical attention if necessary. Treat symptomatically.
Inhalation: Not a direct hazard. Remove from area of exposure; seek medical attention for coughing or choking. Treat symptomatically.
Skin: Not dangerous under normal conditions. Seek medical attention if necessary. Treat symptomatically.
Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: No fire hazard. No direct explosion hazard. Use appropriate media (water spray, dry powder, foam, carbon dioxide) for adjacent fire. Do not use a heavy water stream.
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:	200°F (100°C)
Specific hazards arising from the chemical:	Hazardous decomposition products include carbon dioxide and carbon monoxide. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Evacuate unnecessary personnel. Ventilate spillage area. Stop leak if safe to do so. Absorb spillage to prevent material-damage. 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. Notify environmental authorities in case of large leaks.
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. Dispose of materials or solid residues at an authorized site, in accordance with regulations.

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. 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 in a cool, well-ventilated place away from heat. Keep cool. Protect from sunlight. Store always product in container of same material as original container. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Glycerin (56-81-5)	15 mg/m³ (mist, total particulate)	OSHA PEL TWA	OSHA Table Z-1
	5 mg/m³ (mist, respirable fraction)	OSHA PEL TWA	OSHA Table Z-1
Phenoxyethanol (122-99-6)	Not available		
Saccharomyces / Copper 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:

Eyes:	Safety glasses should be worn.
Inhalation:	In case of insufficient ventilation, wear suitable respiratory equipment.
Body:	Wear protective gloves and suitable protective clothing.
Other:	Use good personal hygiene practices. Ensure good ventilation of the work station. 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:	Characteristic	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Light blue	**Flammability:**	Not applicable
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	No data available	**Flash Point:**	200°F (100°C)
Boiling Point:	200°F (100°C)	**Specific Gravity:**	No data available
Melting Point:	No data available	**Solubility:**	Soluble

Relative Density:	No data available	**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:**	None reported
Oxidizing Properties:	None reported	**Freezing Point:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No dangerous reactions known under normal conditions of use.
Conditions to Avoid:	Avoid excessive heat.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

Toxicological Effects	
Acute Toxicity (Oral):	Not classified.
Acute Toxicity (Dermal):	Not classified.
Glycerin (56-81-5)	
LD50 oral Rat:	12600 mg/kg
LD50 dermal Rabbit	> 10 g/kg
LC50 Inhalation Rat	> 2.75mg/l, 4 hours.
Phenoxyethanol (122-99-6)	
LD50 oral (Rat):	1850 mg/kg body weight (OECD 401: Acute Oral Toxicity; 14 days.
LD50 dermal (Rat):	14391 mg/kg (24 h, Rat, Male / female, Dermal, 48 days.
LD50 dermal (Rabbit):	5 ml/kg.
LC50 Inhalation (Rat):	> 0.057 mg/l (Exposure time: 8 hours).
LOAEL (Mouse/male, F1):	≈ 1875 mg/kg body weight (Guideline: other).
LOAEL (Mouse/female, F1):	≈ 1875 mg/kg body weight (Guideline: other).
LOAEL Oral (Rat, 90 days):	> 700 mg/kg body weight Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents).
LOAEL Dermal (Rat/Rabbit,90 days):	> 500 mg/kg body weight, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study).
NOAEL Dermal (Rat/Rabbit,90 days):	500 mg/kg body weight, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study).
Specific Target Organ Toxicity:	Not classified under single or repeated exposure.
Aspiration Hazard:	Not classified.
Skin Corrosion/Irritation:	Not classified.
Serious Eye Damage/Irritation:	Not classified.
Respiratory/Skin Sensitization:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.
Inhalation Symptoms/Effects:	None under normal conditions.
Skin Contact Symptoms/Effects:	None under normal conditions.
Eye Contact Symptoms/Effects:	None under normal conditions.
Ingestion Symptoms/Effects:	None under normal conditions.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Glycerin (56-81-5)	
LC50 (Fish [1])	51 -57 ml/l (Exposure time: 96 hours -Species: Oncorhynchus mykiss [static]).

EC50 (Crustacea [1])	> 10000 mg/l (24 hours, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect).
Phenoxyethanol (122-99-6)	
LC50 (Fish [1]):	220 -460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 hours, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration).
EC50 (Crustacea [1]):	> 500 mg/l (Equivalent or similar to OECD 202, 48 hours, Daphnia magna, Static system, Fresh water, Experimental value, Behavior).
LC50 (Fish [2]):	366 mg/l (Exposure time: 96 hours -Species: Pimephales promelas [static]).
ErC50 (Algae)	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 hours, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration).
Persistence and Degradability:	Glycerin and Phenoxyethanol are both readily biodegradable in water.
Glycerin (56-81-5)	
Biochemical oxygen demand (BOD):	0.87 g O_2/g substance.
Chemical oxygen demand (COD):	1.16 g O_2/g substance.
ThOD:	1.217 g O_2/g substance.
Bioaccumulative potential	
Glycerin (56-81-5)	
BCF (Fish [1])	(no bioaccumulation).
Partition coefficient n-octanol/water (Log Pow)	-1.76
Bioaccumulative potential:	Not bioaccumulative.
Phenoxyethanol (122-99-6)	
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C).
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Mobility in Soil:	
Glycerin (56-81-5)	
Surface Tension:	63.4 mN/m (20 °C, 1000 g/l).
Organic Carbon Normalized Adsorption Coefficient (Log Koc):	0 (log Koc, SRC PCKOCWIN v2.0, Calculated value).
Ecology (Soil):	Highly mobile in soil.
Phenoxyethanol (122-99-6)	
Surface Tension:	70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension).
Organic Carbon Normalized Adsorption Coefficient (Log Koc):	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology (Soil):	Highly mobile in soil.
Other Adverse Effects:	No additional information 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): Not regulated for transport.

TDG (Transportation of Dangerous Goods, Canada): Not regulated for transport.

IMDG (International Maritime Dangerous Goods):	Not regulated for transport.
IATA (International Air Transport Association):	Not regulated for transport.
ICAO (International Civil Aviation Organization):	Not regulated for transport.

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components of this product are present and listed as Active on the United States Environmental Protection Agency (TSCA) inventory, except for Saccharomyces/Copper Ferment (86.2 – 92.2%).
California Proposition 65:	This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.
NJ Right to Know:	Glycerin (56-81-5).
PA Right to Know:	Glycerin (56-81-5).
MA Right to Know:	Glycerin (56-81-5).

16 OTHER INFORMATION

Revision Date:	03-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 suitableness & completeness of such information for his own particular use.