

Comfrey Root Extract

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

Revision Date: 16-Mar-2022
Supersedes: 30-Apr-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Comfrey Root Extract	Distributor:	MakingCosmetics Inc.
Synonyms:	Oryza Sativa (rice) extract & Symphytum Officinale Root Extract	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Oryza Sativa (rice) extract, water, Symphytum Officinale (comfrey) root extract		
CAS Number:	68553-81-1, 7732-18-5, 84696-05-9, 68333-16- 4, 9054-89-1, 9003-99-0	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	No data available	Web:	www.makingcosmetics.com
Product Form:	Liquid		
Product Use:	Cosmetic use	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:	P233: Keep container tightly closed. P281: Use personal protective equipment as required. P402: Store in a dry place. P404: Store in a closed container. P410: Protect from sunlight. P411: Store at temperatures not exceeding 32°C.												
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="border: 1px solid black;">0</td> <td style="border: 1px solid black;">Minimal</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="border: 1px solid black;">0</td> <td style="border: 1px solid black;">Minimal</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="border: 1px solid black;">0</td> <td style="border: 1px solid black;">Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	0	Minimal	Flammability	0	Minimal	Reactivity	0	Minimal	Specific Hazard	N/A	
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>
Organic Oryza Sativa (Rice) Extract	68553-81-1	51.00%	Not Available
Water	7732-18-5	37.90%	Not Available
Organic Symphytum Officinale (comfrey) root extract	84696-05-9	10.00%	Not Available
Leuconostoc Ferment Filtrate	68333-16-4	1.00%	Not Available
Superoxide Dismutase	9054-89-1	0.05%	Not Available
Soybean Peroxidase	9003-99-0	0.05%	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately rinse with 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 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.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (water, dry chemicals, foam, & carbon dioxide) for adjacent fire. Do not use direct water jet.

Specific protective equipment & precautions for firefighters: Wear self-contained, approved 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

Specific hazards arising from the chemical: Not considered to be a fire and explosion hazard. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: 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.

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: Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Wash non-recoverable remainder with water.

7 HANDLING & STORAGE

Precautions for safe handling: Keep out of reach of children. For industrial use, only as directed. Wash hands after use. Avoid storage near feed or food stuff. 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 closed. Store in a cool, dry place. Store in a dry place at temperatures not exceeding 32°C. Base on stability studies, the optimum storage temperature for maximization of shelf life is 23-25°C. However, it may be store at temperatures between 16-32°C if such specific temperature control is not available. Do not freeze. Avoid contact with strong oxidizers and incompatible materials (see section 10 for incompatibilities). Product may be packaged in normal commercial packaging. Recommended - Polypropylene & High Density Polyethylene.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Comfrey Root Extract	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: Local exhaust should be used.

Body: Protective gloves made of rubber or neoprene. Suitable protective clothing should be worn.

Other: Handle in accordance with good industrial hygiene and safety practice. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to hazy liquid	Vapor Pressure:	No data available
Odor:	Characteristic	Vapor Density:	Not applicable
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Yellow to amber	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available

pH:	3.0-6.0	Flash Point:	>200°F
Boiling Point:	Not determined	Specific Gravity @ 25 °C:	1.160-1.210
Melting Point:	Not applicable	Solubility in Water:	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:	No data available
Oxidizing Properties:	Non-oxidizing material according to EC criteria	Freezing Point:	Not determined
Yeast & Mold:	<100 CFU/g	Microbial Content:	<100 CFU/g; no pathogens
Gram Negative Bacteria:	0 CFU/g		

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not determined
Skin:	Non-Irritant (Dermal Irritation Model)
Eyes:	Non-Irritant (Ocular Irritation Model)
Respiratory:	Not determined
Ingestion:	Not determined
Carcinogenicity:	No known effects.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Non-Mutagenic.
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No known effects.
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	Non-Primary Sensitizer
Irritation:	No data available
Repeated Dose Toxicity:	No known effects.
Neuro-toxicity:	No known effects.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Readily biodegradable (93.7% after 28d)
Bioaccumulative Potential:	Not determined
Mobility in Soil:	Ultimate destination of the product: soil & sediment
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 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

DOT (Dept. of Transportation, USA):	Not regulated as a dangerous good
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	Material is not restrictive for transport and is not regulated by IMDG
IATA (International Air Transport Association):	Material is not restrictive for transport and is not regulated by IATA
ICAO (International Civil Aviation Organization):	Material is not restrictive for transport and is not regulated by ICAO

15 REGULATORY INFORMATION

TSCA Inventory Status:	Exempt
DSCL (EEC):	Exempt: Symphytum Officinale Root Extract (84696-05-9) Listed: Oils, rice bran (DSL) & water (DSL) & Lactobacillus acidophilus (Revised ICL) & Dismutase, superoxide (DSL) & Peroxidase (DSL)
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	Oryza Sativa Extract: 271-397-8 Aqua: 231-791-2 Symphytum Officinale Root Extract: 283-625-3 Leuconostoc Ferment Filtrate: N/A Superoxide Dimutase: 232-943-0 Soybean Peroxidase: 232-668-6
China IECSC:	Not listed: Leuconostoc Ferment Filtrate & Soybean Peroxidase Listed: Oryza Sativa (Rice) Extract & Water & Symphytum Officinale Root Extract & Superoxide Dimutase
China IECIC (06.30.2014):	No data available
Australia AICS:	68553-81-1 & 7732-18-5 & 84696-05-9 & 68333-16-4 & 9054-89-1 (on TGA & 9003-99-0)
Japan MITI:	Oryza Sativa (Rice) Extract & Water & Symphytum Officinale Root Extract & Leuconostoc Ferment Filtrate & Superoxide Dimutase & Soybean Peroxidase
Korea:	Oryza Sativa (Rice) Extract & Water & Symphytum Officinale Root Extract** & Leuconostoc Ferment Filtrate** & Superoxide Dimutase & Soybean Peroxidase**
Philippines:	Exempt: Symphytum Officinale Root Extract (84696-05-9) Not listed: Leuconostoc Ferment Filtrate (68333-16-4) & Superoxide Dimutase (9054-89-1) & Soybean Peroxidase (9003-99-0) Listed: Fats and Glyceridic oils, rice bran & Water
United Kingdom:	Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40
Korea:	Industrial safety and hygiene regulation: No Hazardous material control regulation: No Fire prevention regulation: No

**Not listed in 2004 CTFA Dictionary - Registered with Personal Care Products Council

16 OTHER INFORMATION

Revision Date:	16-Mar-2022
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.