

Comfrey Root Extract

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

Revision Date: 26-Mar-2024
Supersedes: 30-Apr-2020

1 PRODUCT & COMPANY IDENTIFICATION

| | | | |
|----------------------|--|--|--|
| Product Name: | Comfrey Root Extract | Distributor: | MakingCosmetics Inc. |
| Synonyms: | No data available | Address: | 10800 231 st Way NE Redmond, WA 98053 (USA) |
| INCI Name: | Oryza Sativa (Rice) Extract, Water, Symphytum Officinale Root Extract | Phone / Fax: | 425-292-9502 / 425-292-9601 |
| CAS Number: | 68553-81-1, 7732-18-5, 84696-05-9 | 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

| | | | | | | | | | | | | | |
|--------------------------------------|--|---------|---|---------|--------------|---|---------|------------|---|---------|-----------------|-----|--|
| EU Basis for Classification: | According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008. This product is not classified as hazardous to health or environment according to the CLP regulation. | | | | | | | | | | | | |
| OSHA Regulatory Status: | This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200). | | | | | | | | | | | | |
| 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 containertightly 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="text-align: center;">0</td> <td style="text-align: center;">Minimal</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Minimal</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2" style="text-align: center;">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> |
|-----------------------------------|----------------|-----------------|-------------------------|
| Oryza Sativa (Rice) Extract | 68553-81-1 | Not Available | Not Available |
| Water | 7732-18-5 | Not Available | Not Available |
| Symphytum Officinale Root Extract | 84696-05-9 | Not Available | Not Available |
| Leuconostoc Ferment Filtrate | 68333-16-4 | Not Available | Not Available |
| Superoxide Dismutase | 9054-89-1 | Not Available | Not Available |
| Soybean Peroxidase | 9003-99-0 | Not Available | Not Available |

4 FIRST AID MEASURES

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| Eyes: | Rinse away thoroughly with water at least for 15 minutes while keeping the eyes wide open. Seek medical attention. |
|--------------|--|

Inhalation: Move to fresh air. Seek medical attention if irritation develops.
Skin: Rinse with soap and water. Seek medical attention if irritation develops.
Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention.

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. No unsuitable extinguish media listed.

Special protective equipment & precautions for firefighters: Use air supplied breathing equipment for enclosed areas 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/environment. Notify environmental authorities in case of leak.

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. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation. Wash non-recoverable remainder with water. Do not try to clean up the leak without the proper protective equipment. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Keep out of the reach of children. For industrial use, only as directed. Avoid storage near feed or food stuff. Handle in accordance with good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Keep container closed. Store in a dry place at temperatures not exceeding 32 °C (89 °F). Optimum storage temperature for maximization of shelf life is 23-25 °C (73-77 °F). However, it may be stored between 16-32 °C (60-89 °F) if such specific temperature control is not available. Do not freeze. Product may be packaged in normal commercial packaging. Recommended packaging includes; 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> |
|----------------------|------------------------|---------------|---------------|
| Comfrey Root Extract | Not available | Not available | 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: Wear safety glasses.

Inhalation: Ensure adequate ventilation through local exhaust. Air purifying masks are recommended.

Body: Wear protective gloves made of rubber or neoprene and full suitable protective clothing.

Other: 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: Clear to hazy liquid **Vapor Pressure:** No data available

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|--|---------------------------|-------------------------------------|-------------------|
| 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 |
| Microbial Content: | < 100 CFU/g; No pathogens | Specific Gravity (25 °C): | 1.160 - 1.210 |
| Yeast and Mold: | < 100 CFU/g | Water Solubility: | Soluble |
| Gram Negative Bacteria: | 0 CFU/g | Auto-Ignition Temperature: | No data available |
| Partition Coefficient: n-octanol/water: | No data available | Decomposition Temperature: | No data available |
| Oxidizing Properties: | Non oxidizing | Explosive Limits/Properties: | No data available |

10 STABILITY AND REACTIVITY

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| 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: | No data available. |
| Conditions to Avoid: | No dangerous reactions known under use of normal conditions. Avoid extreme heat. |
| Incompatible Materials: | Avoid contact with strong oxidizers. No dangerous reaction known with common products. |
| Hazardous Decomposition Products: | None known. |
| Possible Hazardous Reactions: | None known. |

11 TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | Non-Irritant, Non-Primary Sensitizer & Non-Photo Irritant. |
| Skin: | Non-Irritant (Dermal Irritation Model). |
| Eyes: | Non-Irritant (Ocular Irritation Model). |
| Respiratory: | Not determined. |
| Ingestion: | Not determined. |
| Carcinogenicity: | No known effects. |
| Germ Cell Mutagenicity: | Non-Mutagenic (OECD471/ISO10993.Part 3 - Genotoxicity: Bacterial Reverse Mutation Test). |
| Repeated Dose Toxicity: | No known effects. |
| Reproductive Toxicity: | No known effects. |
| Neuro Toxicity: | No known effects. |
| Chronic Toxicity: | Not determined. |
| Sensitization: | Non-Primary Irritant & Non-Primary Sensitizers; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method). |
| Additional Toxicological Information: | Does not present any particular risk on handling under normal conditions of good occupational hygiene practice. 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. |

12 ECOLOGICAL INFORMATION

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| Ecotoxicity: | Not harmful to aquatic organisms. |
| Aquatic Vertebrate: | No data available. |
| Aquatic Invertebrate: | No data available. |
| Aquatic Algae: | EC10 (Freshwater Alga): 107.16 mg/L: Not harmful to aquatic organisms. EC20 (Freshwater Alga): 195.41 mg/L: Not harmful to aquatic organisms. |
| Persistence and Degradability: | Readily Biodegradable (93.7% biodegradation after 28 days of testing). |
| Bioaccumulative Potential: | Not determined. |
| Mobility in Soil: | Ultimate destination of the product: Soil & sediment. |
| PBT and vPvB Assessment: | No data available. |
| Other Adverse Effects: | None known. |

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: 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

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| DOT (Dept. of Transportation, USA): | Not regulated as dangerous goods. |
| TDG (Transportation of Dangerous Goods, Canada): | Not data available. |
| IMDG (International Maritime Dangerous Goods): | Not restrictive for sea transport and is not regulated by IMO/IMDG. |
| IATA (International Air Transport Association): | Not restrictive for land transport and is not regulated by IATA. |
| ICAO (International Civil Aviation Organization): | Not restrictive for land transport and is not regulated by ICAO. |
| ADR/RID (Rail and Road Transportation): | Not restrictive for land transport and is not regulated by ADR/RID. |

15 REGULATORY INFORMATION

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| TSCA Inventory Status: | Exempt. |
| EC Regulations: | This product does not need to be labeled in accordance with EC Directives or respective national laws |
| United Kingdom: | Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually). |
| Korea Regulations: | Industrial safety and hygiene regulation: No Hazardous material control regulation: No Fire prevention regulation: No |
| Korea: | Oryza Sativa (Rice) Extract & Water & Symphytum Officinale Root Extract** & Leuconostoc Ferment Filtrate** & Superoxide Dismutase & Soybean Peroxidase** |
| Canada (CEPA/DSL): | Exempt: Symphytum Officinale Root Extract (84696-05-9) Listed: Oils, rice bran (DSL) & Water (DSL) & Lactobacillus acidophilus (Revised ICL) & Dismutase, superoxide (DSL) & Peroxidase (DSL) |
| EU (EINECS): | Oryza Sativa Extract: 271-397-8 Aqua: 231-791-2 Symphytum Officinale Root Extract: 283-625-3 Leuconostoc Ferment Filtrate: N/A Superoxide Dismutase: 232-943-0 Soybean Peroxidase: 232-668-6 |
| China Inventory Status: | Not Listed: Leuconostoc Ferment Filtrate & Soybean Peroxidase Listed: Oryza Sativa (Rice) Extract & Water & Symphytum Officinale Root Extract & Superoxide Dismutase |
| 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 Dismutase & Soybean Peroxidase |
| Philippines (PICCS): | Exempt: Symphytum Officinale Root Extract (84696-05-9) Not Listed: Leuconostoc Ferment Filtrate (68333-16-4) & Superoxide Dismutase (9054-89-1) & Soybean Peroxidase (9003-99-0) Listed: Fats and Glyceridic oils, rice bran & water |

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

16 OTHER INFORMATION

Revision Date: 26-Mar-2024

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.