GREEN VALLEY LABORATORY

Safety Data Sheet

SECTION 1 - Identification

1.1 Product identifier

Product Name/Identifier	Lady's Mantle Extract PF
Common Chemical Name	Water & Alchemilla Vulgaris Extract & Lactobacillus Ferment

1.2 Relevant identified uses

Recommended Use	Topical Cosmetic Use
Restrictions on Use	None

1.3 Details of the supplier of the Safety Data Sheet

Supplier Name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a

1.4 Emergency telephone number

Emergency Phone No.	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) - +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

2.1 Classification

GHS / CLP - Basis for Classification	Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)
USA - OSHA Regulatory Status	This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).
Europe - 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.

2.2 Labeling elements

Pictograph	No hazard symbol expected
Hazard statements/Signal Word	Not applicable

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

2.3 Other hazards which do not result in classification

Other hazards	No particular fire or explosion hazard.
By mechanical effect	No particular hazards.
By hygroscopic effect	No particular hazards.
US NFPA 704 (National Fire Protection Association) Hazard Rating System	Health hazard: Rating 0; Normal Material. Flammability: Rating 0, Will Not Burn. Reactivity: Rating 0, Stable. Other Hazard Information: None
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable

SECTION 3 - Composition / Information on Ingredients

Common Chemical Name	Water & Alchemilla Vulgaris Extract & Lactobacillus Ferment
Chemical Family	Plant Extract
Description	Mixture: consisting of the following components. This section describes all components of the mixture

Substance	CAS Numbers	EC Numbers	Percentage
Water	7732-18-5	231-791-2	78.00%
Alchemilla Vulgaris Extract	84695-94-3	283-614-3	20.00%
Lactobacillus Ferment	1686112-36-6 (or) 68333-16-4	N/A (or) N/A	2.00%

Formula	Not applicable

SECTION 4 - First Aid Measures

General	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Move to fresh air from exposure area. Get medical attention for any breathing difficulty.
Skin contact	Rinse with soap and water. Get medical advice if irritation develops.
Eye contact	Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.
Ingestion	Consult with a physician.
Protection of first-aiders	No special protection required.

SECTION 5 - Fire Fighting Measures

Fire and explosion hazards	Not considered to be a fire and explosion hazard
Extinguishing media - Suitable	Water, dry chemicals, foam and carbon dioxide
Extinguishing media - Not suitable	None known
Fire fighting	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
Protection for fire-fighters	Boots, gloves, goggles.

SECTION 6 - Accidental Release Measures

Personal precautions	Avoid contact with eyes.
Personal Protective Equipment	Protective goggles
Environmental precautions	Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system

Methods for cleaning up - Recovery	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.
Cleaning/Decontamination	Wash non-recoverable remainder with water.
Disposal	For disposal of residues refer to sections 8 & 13.

SECTION 7 - Handling and Storage

Handling

Technical measures - Labeling	Keep out of the reach of children.
Measures	For industrial use, only as directed.
Safe handling advice	Wash hands after use. Avoid storage near feed or food stuff.

Storage

Technical measures	Keep container closed.
Recommended Storage Conditions	Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 - 25°C. However, it may be stored at temperatures between 16 and 32°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.
Incompatible products	Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)
Packaging	Product may be packaged in normal commercial packaging.
Packaging materials	Recommended - Polypropylene & High Density Polyethylene

SECTION 8 - Exposure Controls / Personal Protection

Precautionary statements	Ensure adequate ventilation

Control parameters - Occupational exposure Limits

France	Not Determined
ACGIH	Not Determined
Korea	Not Determined
UK	Not Determined
Surveillance procedures	Not Determined
Engineering measures	Not Determined

Personal Protective Equipment

Respiratory protection	Local exhaust
Hand protection	Protective gloves made of rubber or neoprene.
Eye protection	Safety glasses.
Collective emergency equipment	Eye fountain.
Skin and Body Protection	Suitable protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Measures related to the Environment	No particular measures.

SECTION 9 - Physical and Chemical Properties

Appearance	Medium to dark amber liquid

Odor	Mild characteristic
pH (Direct)	4.0 – 6.5
Specific Gravity (25°C)	1.00 – 1.04
Solubility	Soluble in any portion of water
Heavy Metals	< 20 ppm
Lead	< 10 ppm
Arsenic	< 2 ppm
Cadmium	< 1 ppm
Microbial Content	< 100 CFU/g; No pathogens
Yeast & Mold	< 100 CFU/g
Gram Negative Bacteria	0 CFU/g
Vapor density	Not applicable
Boiling Point	Not determined
Freezing Point	Not determined
Melting point	Not applicable
Flash point	> 200°F
Oxidizing properties	Non oxidizing material according to EC criteria.
Solubility - In organic solvents	Not determined
Log P	Not determined

SECTION 10 - Stability and Reactivity

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 reactions	None known
Conditions to avoid	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
Materials to avoid	No dangerous reaction known with common products.
Hazardous decomposition products	None known

SECTION 11 - Toxicological Information

Ingestion	Not Determined
Dermal	Non-Irritant (Dermal Irritection Model)
Ocular	Non-Irritant (Ocular Irritection Model)
Inhalation	Not Determined
Acute toxicity data	Non-Irritant, Non-Primary Sensitizer & Non-Photo irritant
Sensitization	Non-Primary Sensitizer; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method)
Repeated dose toxicity	No known effects
Subacute to chronic toxicity	Not Determined
Mutagenicity	Non-Mutagenic (OECD471/ISO10993.Part 3 – Genotoxicity: Bacterial Reverse Mutation Test)
Additional Toxicological Information	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.

Specific effects

Carcinogenicity	No known effects
Mutagenicity	No known effects
Reproductive toxicity	No known effects
Neuro-toxicity	No known effects
For more information	Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

- Primary cutaneous and corrosive irritation
- Acute oral toxicity

SECTION 12 - Ecological Information

Ecotoxicity - Effects on the aquatic environment	EC10 (Freshwater Alga): 102.63 mg/L - Not harmful to aquatic organisms. EC20 (Freshwater Alga): 217.66 mg/L - Not harmful to aquatic organisms
Biodegradability - Persistence	Readily Biodegradable (88.4% biodegradation after 28 days of testing)
Bioaccumulation - Octanol / water partition coefficient	Not Determined
Mobility - Expected behavior of the product	Ultimate destination of the product: Soil & sediment.
Other Adverse Effects	None known

SECTION 13 - Disposal Considerations

Residues from product

Prohibition	Do not allow the product to be released into the Environment.
Destruction/Disposal	Dispose of in accordance with relevant local regulations

Contaminated packaging

Decontamination/cleaning	Cleaning is not required prior to disposal.
Note	Take all necessary precautions when disposing of this product according to local regulations.

SECTION 14 - Transport Information

UN Number	None
UN Shipping Name	None
Transport Hazard Class	Not classified as dangerous for transport
Land (rail/road)	Material is not restrictive for land transport and is not regulated by ADR/RID
Sea	Material is not restrictive for sea transport and is not regulated by IMO/IMDG
Air	Material is not restrictive for air transport and is not regulated by ICAO/IATA
Marine Pollutant	No
Transport/Additional Information	Not regulated for US DOT Transport in non-bulk containers. This material is not dangerous or hazardous
Special Precautions for User	None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

SECTION 15 - Regulatory Information

Labeling - 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

Other regulations

EINECS inventory status	Aqua: 231-791-2; Alchemilla Vulgaris Extract: 283-614-3; Lactobacillus Ferment: N/A (or) N/A
TSCA inventory status	Exempt
AICS inventory status	Not Listed: 1686112-36-6; Listed: 7732-18-5 & 84695-94-3 & 68333-16-4
Canadian (CEPA DSL) inventory status	Not Listed: Lactobacillus Ferment (1686112-36-6); Listed as Water (DSL) & Alchemilla Vulgaris, ext. (Revised ICL) & Lactobacillus acidophilus (Revised ICL)
Japan (MITI list)	Water & Alchemilla Vulgaris Extract & Lactobacillus Ferment
Korea	Water & Alchemilla Vulgaris Extract & Lactobacillus Ferment
China inventory status	Water & Alchemilla Vulgaris Extract & Lactobacillus Ferment
Philippines inventory status	Exempt: Alchemilla Vulgaris Extract (84695-94-3); Not Listed: Lactobacillus Ferment (1686112-36-6 (or) 68333-16-4); Listed as Water

**Not listed on Cosmetic-Info database (or) on Restricted List. ^Not listed in 2004 CTFA Dictionary – Registered with Personal Care Products Council

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

SECTION 16 - Other Information

Prohibited uses	For specific uses, ask the manufacturer for more information.
Last Revision Date	05/24/2021
Preparation Date	01/10/2023

DISCLAIMER

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

Green Valley Laboratory I 435 Hartford Pike, Killingly, CT 06241, USA I Help@dauphineorganics.com