

MYSTIC MOMENTS

CERTIFICATE OF ANALYSIS

PRODUCT	Lovage Leaf Oil
Batch Number	4430610
Best Before Date	April 2024
Appearance	Yellow to Amber Liquid
Odour	Characteristic
Specific gravity @ 25°C	0.9100
Refractive Index @ 20°C	1.4800

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ALLERGEN & INTOLERANCE DATA

Product: Lovage Leaf Oil

PRESENT	Y/N	PRESENT	Y/N
Additives	N	Maize and Derivatives (ALBA14)	N
Alcohol	N	Malt and Derivatives	N
Aspartame (E951)	N	Milk and Derivatives	N
Barley and Derivatives	N	Milk Protein (Bovine) (ALBA01)	N
Beef and Derivatives (ALBA09)	N	Mustard and Derivatives (ALBA36)	N
Benzoates (Hydroxy-) (E214-E219)	N	Non-Vegan Components	N
Benzoic Acid (E210-E213)	N	Non-Vegetarian Components	N
BHA / BHT (E320-E321)	N	Nucleotides (E626-E635)	N
Caffeine	N	Nut Oil (ALBA19)	N
Carrot and Derivatives (ALBA34)	N	Nuts and Derivatives (ALBA18)	N
Celery and Derivatives (ALBA32)	N	Oat and Derivatives	N
Chicken and Derivatives (ALBA11)	N	Peanut Oil (ALBA21)	N
Cinnamon	N	Peanuts and Derivatives (ALBA20)	N
Cocoa (ALBA15)	N	Polyols	N
Coconut and Derivatives	N	Pork and Derivatives (ALBA10)	N
Colours	N	Potato and Derivatives	N
Colours (Azo-) (E102,110,122-124,128,129,151)	N	Rapeseed and Derivatives	N
Coriander and Derivatives (ALBA31)	N	Rye and Derivatives (ALBA08)	N
Cottonseed and Derivatives	N	Saccharose	N
Egg and Derivatives (ALBA03)	N	Salt (Added)	N
Fish and Derivatives (ALBA12)	N	Seafood and Derivatives	N
Fructose	N	Seeds and Derivatives	N
Fruit and Derivatives	N	Sesame Seed Oil (ALBA23)	N
Garlic	N	Sesame Seeds and Derivatives (ALBA22)	N
Gelatine	N	Shellfish (Crustaceans) and Derivatives (ALBA13)	N
Gene Technology and Derivatives	N	Sorbic Acid (E200-E203)	N
Genetically Modified Protein / DNA	N	Soya and Derivatives	N
Glutamate (Added) (E620-E625) (ALBA24)	N	Soy Bean Oil (ALBA05)	N
Glutamate (Naturally Occurring)	N	Soy Bean Protein (ALBA04)	N
Gluten <20 ppm	N	Sugar (Added)	N
Gluten 20 – 200 ppm (ALBA06)	N	Sulphites <10ppm	N
Gluten >200 ppm (ALBA06)	N	Sulphites >10ppm (E220-E228) (ALBA25)	N
Honey	N	Tartrazine (E102)	N
Hydrolysed Vegetable Protein (HVP)	N	Umbelliferae	N
Lactose (ALBA02)	N	Vanillin / Vanilla	N
Lamb and Derivatives	N	Vegetable and Derivatives	N
Legumes / Pulses (ALBA17)	N	Wheat and Derivatives (ALBA07)	N
Lupin and Derivatives (ALBA35)	N	Yeast and Derivatives	N

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CMR DECLARATION

PRODUCT: Lovage Leaf Oil

This is to certify that the Lovage Leaf Oil that MADAR Corporation Limited supplies does not contain any listed CMR substances.

MYSTIC MOMENTS

Flow Diagram for the Production of Lovage Leaf Oil

Levisticum officinale plant → Harvest the leafy plant material → Steam distil the partially dried plant material → Separate the Lovage leaf Oil from the distillate water by physical means.

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CERTIFICATE OF GMO STATUS

For the purpose of this statement ‘genetically modified organism (GMO)’ is defined in Directive 2001/18/EC as an organism in which the genetic material has been altered in a way that does not occur naturally by mating and/or natural recombination.

This is to certify that to the best of our knowledge and belief the Lovage Leaf Oil that this company supplies is not produced by gene modification or derived from genetically modified organisms or from the use of genetically modified organisms.

If this oil is to be incorporated in any genetically modified food or animal feed then we certify that it complies with EC 1829/2003 and 1830/2003 regulations.

Neither MADAR Corporation Limited. nor our suppliers can guarantee against or be held responsible for potential cross-pollination between crops, or any other unforeseen contamination risks.

MYSTIC MOMENTS

IFRA STANDARDS CONFORMITY CERTIFICATE

Fragrance compound

Product: Lovage leaf oil

We certify that the above substance is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 49th Amendment to the IFRA Code of Practice (published January 2020), It does not appear in the IFRA list of standards and so no information is available on its use in the IFRA Classes:

IFRA class(es) [see respective IFRA guidance for details]	Level of use (%)*

*Actual use level or maximum use level

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

Recommendation: Information about presence and concentration of IFRA restricted/prohibited materials in the Lovage leaf Oil is as follows:

IFRA Restricted materials: None

Ingredient name	CAS	Concentration %

IFRA prohibited materials: None

Ingredient name	CAS	Details

Signature (If generated electronically, no signature)

Date 28 April 2021

SAFETY DATA SHEET

Lovage leaf oil

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Lovage leaf oil

EC number:	284-292-7
EC name:	Levisticum officinale, ext
CAS number (EC inventory):	84837-06-9
Registration number	

1.2 Relevant identified uses of the substance or mixture and uses advised against

Multiple uses in the Flavour and Fragrance industries

1.3 Details of the supplier of the safety data sheet

Madar Corporation Limited
19 - 20 Sandealth Industrial Estate
Fordingbridge
SP6 1PA

Tel: 01425 655 555

E mail:
technical@madarcorporation.co.uk

1.4 Emergency telephone number

In case of emergency Tel. 0207 481 2110 during office hours

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification in accordance with GHS Hazard codes

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Hazard Phrases

H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction

Precautionary Phrases

P261 – Avoid breathing dust/fume/gas/mist/vapour/spray
P272 – Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P302+352 - IF ON SKIN: Wash with soap and water.

2.2 Label elements

Signal Word DANGER

Pictograms



2.3 Other hazards

SECTION 3: Composition

3.1 Substances

Lovage leaf oil 100 %

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Irrigate the eyes with copious volumes of water for at least 15 minutes with the eye lids held open. Seek medical advice if inflammation persists

INHALATION: Remove person to fresh air, remove any contaminated clothing, in case of breathing difficulty seek medical advice.

SKIN CONTACT: Wash affected area with soap and running water, if irritation persists seek medical advice.

INGESTION: Dilute internally with water, do not induce vomiting. Seek medical advice immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
- 4.3 Indication of any immediate medical attention and special treatments needed
- Symptomatic treatment as required

SECTION 5: Firefighting Measures

- 5.1 Extinguishing media Foam, CO₂, Dry Powder
- 5.2 Special hazards arising from the substance or mixture Combustion products: Carbon monoxide, Carbon dioxide, Smoke
- 5.3 Advice for fire fighters Do Not Use Water as extinguishing media. No special fire fighting equipment required.

SECTION 6: Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear clothing suitable for an emergency
- 6.2 Environmental precautions
- Contain the leak with earth or sand. Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority.
- 6.3 Methods and materials for containment and clearing up
- Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

SECTION 7: Handling and Storage

- 7.1 Precautions for safe handling
- Handle in a well ventilated area, away from sources of ignition, DO NOT SMOKE.
- 7.2 Conditions for safe storage, including any incompatibilities
- Store in well-filled, tightly closed containers away from heat, light and sources of ignition.
- 7.3 Specific end uses
- Used in Flavours and Fragrances.

SECTION 8. Exposure Controls/Personal Protection

- 8.1 Control parameters No data available

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type

- DNELs for workers No data available

Exposure pattern	Route	DNEL	Dose descriptor

Acute - systemic effects	Dermal		
Acute - systemic effects	Inhalation		
Acute - local effects	Dermal		
Acute - local effects	Inhalation		
Long-term - systemic effects	Dermal		
Long-term - systemic effects	Inhalation		
Long-term - local effects	Dermal		
Long-term - local effects	Inhalation		

PNECs **No data available**

Compartment	PNEC	Dose descriptor
Fresh water		
Sewage treatment		

8.2 Exposure controls

Engineering controls – Use suitable handling equipment

Respiratory protection – Use only in well ventilated areas. Use protection in poor ventilation.

Hand Protection – Wear gloves

Eye protection – Wear goggles

Skin protection – Wear suitable protective clothing

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Clear, mobile liquid

Odour: Characteristic of lovage

Odour threshold: No data available

pH: Not applicable

Melting point: Not applicable

Boiling point: Not applicable

Flashpoint: 60°C

Evaporation rate: No data available

Flammability: Combustible

Upper/lower flammability limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: 0.910

Solubility in water: Insoluble
Solubility in other solvents: Soluble
Partition coefficient (log Kow): No data available
Autoignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidising properties: None

9.2 Other information

Particle size: Not applicable

SECTION 10: Stability and Reactivity

- 10.1 Reactivity: Will react with oxidising agents
- 10.2 Chemical stability: Stable under proper storage conditions.
- 10.3 Possibility of hazardous reactions: Not if stored correctly
- 10.4 Conditions to avoid: Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.
- 10.5 Incompatible materials: Oxidising agents, strong acids and bases
- 10.5 Hazardous decomposition products: On combustion may produce smoke, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

Toxicokinetics

- (a) acute toxicity: LD₅₀ no data available (Rat). Dermal no data available (Rabbit)
- (b) skin corrosion/irritation: Causes skin irritation
- (c) serious eye damage/irritation: No data available
- (d) respiratory/skin sensitisation: May cause an allergic skin reaction
- (e) germ cell mutagenicity: No data available
- (f) carcinogenicity: No data available
- (g) reproductive toxicity: No data available
- (h) STOT-single exposure: No data available
- (i) STOT-repeated exposure: No data available
- (j) aspiration hazard: May be fatal if swallowed and enters airways

SECTION 12: Ecological Information

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects – Avoid release to the environment

SECTION 13: Disposal Considerations

13.1 Waste treatment methods – Do not dispose into drainage systems. Ensure disposal is within local and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and/or seek other expert advice.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	1169	1169	1169
14.2 UN Proper shipping name	Extracts, aromatic, liquid	Extracts, aromatic, liquid	Extracts, aromatic, liquid
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III	III	III
14.5 Environmental hazards			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This substance is listed as existing in Europe. Listed on the United States TSCA inventory.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:

The information in this safety data sheet is based on the properties of the material known to MADAR Corporation Limited. at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.

MYSTIC MOMENTS

SPECIFICATION

PRODUCT	: LOVAGE LEAF OIL
Appearance	: Clear, yellow to amber coloured liquid
Odour	: Characteristic of lovage
Specific Gravity @ 25°C	: 0.815 – 1.015
Refractive Index @ 20°C	: 1.392 – 1.592

MYSTIC MOMENTS

VEGAN SUITABILITY

This is to certify that the Lovage Leaf Oil that MADAR Corporation Limited supplies is suitable for Vegans