



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Lovage Leaf Oil

Botanical name : Levisticum officinalis L.

Synonyms : Levisticum officinale

FEMA : 2651

INCI name : Levisticum officinale Leaf Oil

CAS # : 8016-31-7

Country of Origin : Hungary

EINECS # : 84837-06-9

Product use : Domestic and Industrial

Supplier : Madar Corporation

Address : 19-20 SandleHeath Industrial Estate

Fax : Hampshire

Telephone number : 01425 655555

Email : technical@madarcorporation.co.uk

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification

B3	Combustible Liquid.	
D2B	Toxic Material Causing	Moderate eye irritant
.	Other Toxic Effects	Moderate skin irritant

GHS Classification

Acute toxicity, Oral - Category 5

Skin Corrosion/Irritation - Category 2

Eye irritation - Category 2A.

GHS Label elements, including precautionary statements



Signal :

Warning[]

Hazard statement(s)

- | | |
|------|------------------------------|
| H315 | Causes skin irritation. |
| H303 | May be harmful if swallowed |
| H319 | Causes serious eye damage. |
| H226 | Flammable liquid and vapour. |

Precautionary statement(s)

- | | |
|--------------|--|
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P280 | Wear protective gloves / protective clothing / eye protection / face protection. |

HMIS Classification & Potential Health Effects

HMIS Ratings

Health : 2, Flammability : 0, Physical Hazard : 0, Personal protection : B

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes eye irritation

Ingestion

Maybe harmful if swallowed

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
N/A	-	-	-

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale yellow to amber liquid.
Odor	:	Warm spicy odor.
Flash point	:	60 °C
Flammability(u/l)	:	
Relative density	:	0.900 - 0.970
Solubility (ies)	:	Soluble in alcohol.
Refractive index	:	1.470 - 1.495

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Irritant to mucous membranes.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Serious eye damage

Causes serious eye damage.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION**UN Number**

1169

UN proper shipping name

Extracts, aromatic, liquid

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1169

Proper shipping name

Extracts, aromatic, liquid

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1169

Proper shipping name

Extracts, aromatic, liquid

Class

3

Packaging group

III

IATA Shipping Description (Air)

1169

Proper shipping name

Extracts, aromatic, liquid

Class

3

Packaging group

III

15. REGULATORY INFORMATION**WHMIS Classification**

B3, D2B

GHS Hazard Statements

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Disclaimer & Caution:

The information contained in Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of **Madar Corporation** knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from **Madar Corporation** with the clear understanding that all products must be used at the customers own discretion and only after referencing Material Safety data Sheets(MSDS) and all other relevant technical information specific to the product. **Madar Corporation** shall not be held responsible for any damages to the property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process. **Madar Corporation** strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing.

As the ordinary or otherwise uses of this product is outside the control of **Madar Corporation** no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury) , or the results obtained. The liability of **Madar Corporation** is limited to the value of the goods and does not include any consequential loss. **Madar Corporation** shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.