



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Item	Details
Product Name	Lovage Root Essential Oil
Synonyms	Lovage Root Oil, Levisticum Root Oil
Botanical Name	<i>Levisticum officinale</i> Koch
INCI Name	Levisticum Officinale Root Oil
CAS Number	84837-06-9
EC Number	284-292-7
FEMA Number	2651
Extraction Method	Steam Distillation
Plant Part	Roots
Product Type	Essential Oil
Recommended Use	Professional perfumery, cosmetic and fragrance manufacture
Uses Advised Against	Internal consumption or undiluted topical application

Lovage Root Essential Oil is obtained by steam distillation of the roots of *Levisticum officinale*. It possesses a rich herbal, spicy, earthy, celery-like aroma and is widely used in perfumery and flavour applications.

SUPPLIER DETAILS

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

SECTION 2: HAZARD IDENTIFICATION

GHS / CLP CLASSIFICATION

Hazard Class	Classification
--------------	----------------



Flammable Liquid	Category 3
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Eye Irritation	Category 2
Aquatic Chronic Toxicity	Category 2

Signal Word

DANGER

Hazard Statements

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

- Keep away from heat, sparks and open flames.
- Wear protective gloves, eye protection and protective clothing.
- Avoid breathing vapours.
- Avoid release into the environment.
- IF SWALLOWED: Immediately call a poison centre. Do not induce vomiting.
- Dispose of contents and container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Content
Lovage Root Essential Oil	84837-06-9	100%

Representative Natural Constituents

Constituent	Typical Range (%)
β -Phellandrene	20–35
α -Terpinyl Acetate	10–20
Ligustilide	5–15
α -Pinene	1–8



β -Pinene	1–5
d-Limonene	0.5–3
Propylidene Phthalide	0.5–2

Composition naturally varies according to geographical origin, harvest and distillation conditions.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the exposed person to fresh air. Obtain medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation or sensitisation develops.

Eye Contact

Flush immediately with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion

Do **not** induce vomiting. Immediate medical attention is required due to aspiration hazard.

Most Important Symptoms

- Skin irritation
 - Allergic skin reaction
 - Eye irritation
 - Aspiration hazard
-

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide



- Dry chemical powder
- Alcohol-resistant foam
- Water fog

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Eliminate all ignition sources.
 - Wear appropriate PPE.
 - Prevent entry into drains and waterways.
 - Absorb using inert material such as sand or vermiculite.
 - Dispose of waste according to local regulations.
-

SECTION 7: HANDLING AND STORAGE

Handling

- Use only in well-ventilated areas.
- Avoid contact with skin and eyes.
- Avoid breathing concentrated vapours.
- Observe good industrial hygiene practices.

Storage

Store:

- In tightly closed original containers.
 - In a cool, dry and well-ventilated place.
 - Protected from direct sunlight.
 - Away from oxidising agents and ignition sources.
-



SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye Protection	Chemical safety goggles
Hand Protection	Nitrile gloves
Skin Protection	Protective clothing
Respiratory Protection	Organic vapour respirator where ventilation is inadequate

No specific occupational exposure limits have been established for Lovage Root Essential Oil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Appearance	Pale yellow to amber liquid
Odour	Herbal, spicy, earthy, celery-like
Relative Density (20 °C)	0.960–1.020
Refractive Index (20 °C)	1.480–1.495
Optical Rotation	+5° to +20°
Flash Point	Approximately 60–70 °C
Solubility	Insoluble in water; soluble in ethanol
Physical State	Liquid

Representative values are compiled from published technical specifications.

SECTION 10: STABILITY AND REACTIVITY

- Stable under recommended storage conditions.
 - Avoid excessive heat.
 - Avoid strong oxidising agents.
 - Hazardous decomposition products include carbon monoxide and carbon dioxide.
-

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin



- Eyes
- Inhalation
- Ingestion

Potential effects include:

- Skin irritation.
- Skin sensitisation.
- Eye irritation.
- Aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

- Toxic to aquatic organisms with long-lasting effects.
- Avoid uncontrolled release into the environment.
- Prevent contamination of waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused material and contaminated packaging through an authorised waste disposal contractor in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

Item	Representative Information
UN Number	UN1169 (Essential Oils, Extracts or Aromatic Liquid, N.O.S.)*
Transport Class	3
Packing Group	III

*Transport classification should always be confirmed using the manufacturer's current Safety Data Sheet before shipment.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:



- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EU) 2020/878
- Regulation (EC) No. 1223/2009
- United Nations Globally Harmonized System (GHS)

SECTION 16: OTHER INFORMATION

Item	Details
Document Type	Material Safety Data Sheet (MSDS)
Version	1.0
Issue Date	20 July 2026

Disclaimer

This MSDS provides representative safety information for Lovage Root Essential Oil (*Levisticum officinale*). As a natural essential oil, composition and physical properties vary according to botanical origin, harvest season and distillation conditions. The original manufacturer's Safety Data Sheet and Certificate of Analysis shall always take precedence.

Authorised by:

Fozia Khot
Director