



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Pure Galbanum Essential Oil**

### 1. Identification of the substance/mixture and company

Trade name:	Pure Galbanum essential oil
	Contains mainly volatile components
INCI	Ferula galbaniflua (Galbanum) gum extract
CAS No. :	93160-40-3
EINESCS No. :	296-925-4
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

### 2. Hazards Identification

#### 2.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Flammable liquid: Flam. Liq. 3  
Acute toxicity: Acute Tox. 4  
Acute toxicity: Acute Tox. 4  
Aspiration hazard: Asp. Tox. 1  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Respiratory or skin sensitization: Skin Sens. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapor.  
Harmful if swallowed.  
Harmful if inhaled.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.  
Toxic to aquatic life with long lasting effects

#### 2.2. Label elements

Signal word: Danger

Pictograms: GHS02-GHS07-GHS08-GHS09

Hazard statements:

H226 Flammable liquid and vapor.  
H302+H332 Harmful if swallowed or if inhaled.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.





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H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P273 Avoid release to the environment.

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards:

Special risk by leaking/spilling product.

### 3. Declaration of ingredients

#### 3.1. Substances

Chemical characterization:

INCI-Name (CTFA): Ferula Galbaniflua (Galbanum) Gum Extract, CAS-Nr. 93165-40-3, EINECS-Nr. 296-925-4

3.2 The product contains the following hazardous components:

Substance	CAS	EINECS	Hazard symbols	Percent %
Ferula galbaniflua, ext.	93165-40-3	296-925-4	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT, SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H332 H302 H315 H319 H317 H335 H304 H411	100 %

Full text of R, H and EUH phrases: see section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

General information: Seek medical attention if problems persist.

After inhalation: Provide fresh air.

After contact with skin: After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion: Rinse mouth immediately and drink large quantities of water. Consult physician.

4.2. Most important symptoms and effects, both acute and delayed: No data available



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4.3. Indication of any immediate medical attention and special treatment needed  
No data available

## 5. Fire fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Foam, Carbon dioxide (CO<sub>2</sub>), Powder.  
Unsuitable extinguishing media: Water spray.

5.2. Special hazards arising from the substance or mixture  
Flammable vapors can accumulate in steam space of closed systems.

5.3. Advice for firefighters  
In case of fire: Wear self-contained breathing apparatus.

## 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures  
Avoid contact with skin, eye and clothing.  
Wear personal protection equipment.  
Provide adequate ventilation.  
Wear respiratory protection when in the presence of vapor, dust, and aerosols.

6.2. Environmental precautions  
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up  
Take up with oil-absorbing compound. Remove mechanically, placing in appropriate containers for disposal.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eye and clothing.  
Wear suitable protective clothing, gloves and eye/face protection.  
Do not breathe gas/fumes/vapor/spray.

Advice on protection against fire and explosion: Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities  
Requirements for storage rooms and vessels: Store in a well-ventilated place. Keep container tightly closed.

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## 8. Exposure controls / personal protection

### 8.1. Control parameters



### 8.2. Exposure controls

Protective and hygiene measures: Change contaminated clothing.

Eye/face protection: Wear eye/face protection.

Hand protection: When handling chemical substances, chemical protective clothing with CE label (including a four digit code) must be worn. EN 374

Skin protection: Only wear fitting, comfortable and clean protective clothing.  
Take off immediately all contaminated clothing.  
After contact with skin, wash immediately with plenty of water and soap.

Respiratory protection: Do not breathe gas/fumes/vapor/spray.  
Respiratory protection required in case of: aerosol or mist generation.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Color: yellow  
Odor: characteristic  
pH-Value: No data available  
Melting point: No data available  
Initial boiling point and boiling range: No data available  
Sublimation point: No data available  
Softening point: No data available  
Pour point: No data available  
Flash point: 43 °C closed cup  
Flammability: Solid: No data available  
Gas: No data available  
Explosive properties: no data available  
Lower explosion limits: No data available  
Upper explosion limits: No data available  
Ignition temperature: No data available  
Auto-ignition temperature: Solid: No data available  
Gas: No data available  
Decomposition temperature: No data available  
Oxidizing properties: no data available



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Vapor pressure: No data available  
Density (at 20 °C): 0,89 - 0,91 g/cm<sup>3</sup> pycnometer  
Bulk density: No data available  
Water solubility: insoluble  
Partition coefficient: No data available  
Viscosity / dynamic: No data available  
Viscosity / kinematic: No data available  
Flow time: No data available  
Vapor density: No data available  
Evaporation rate: No data available  
Solvent separation test: No data available  
Solvent content: No data available  
Solid content: No data available

9.2. Other information  
No data available

## 10. Stability and reactivity

10.1. Reactivity  
No data available

10.2. Chemical stability  
No data available

10.3. Possibility of hazardous reactions  
No data available

10.4. Conditions to avoid  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials  
Oxidizing agents.

Further information: No ignition, explosion, self-heating or visible decomposition.

## 11. Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution:  
No data available

### Acute toxicity

CAS No	93165-40-3			
Chemical name	Ferula galbaniflua, ext.			
Exposure route	Method	Dose	Species	Source



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oral	ATE	500 mg/kg	NA	NA
inhalation vapor	ATE	11 mg/l	NA	NA
inhalation aerosol	ATE	1,5 mg/l	NA	NA

Further information:

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

## 12. Ecological information

### 12.1. Toxicity

No special environmental protection measures are necessary.

### 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

## 13. Disposal considerations

### 13.1. Waste treatment methods

Advice on disposal: Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products: 160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste.

Contaminated packaging: Waste disposal according to official state regulations.

## 14. Transport information

### 14.1 Land transport (ADR/RID)

UN number: UN 1169

UN proper shipping name: EXTRACTS, AROMATIC, LIQUID





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Transport hazard class(es): 3  
Packing group: III  
Hazard label: 3  
Classification code: F1  
Special Provisions: 601  
Limited quantity: 5 L  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

14.2 Inland waterways transport (ADN)

UN number: UN 1169  
UN proper shipping name: EXTRACTS, AROMATIC, LIQUID  
Transport hazard class(es): 3  
Packing group: III  
Hazard label: 3  
Classification code: F1  
Special Provisions: 601  
Limited quantity: 5 L  
Excepted quantity: E1



14.3 Marine transport (IMDG)

UN number: UN 1169  
UN proper shipping name: EXTRACTS, AROMATIC, LIQUID  
Transport hazard class(es): 3  
Packing group: III  
Hazard label: 3  
Special Provisions: 223, 955  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-E, S-D  
Other applicable information (marine transport): 223, 944, 955



14.4 Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1169  
UN proper shipping name: EXTRACTS, AROMATIC, LIQUID  
Transport hazard class(es): 3  
Packing group: III  
Hazard label: 3  
Special Provisions: A3  
Limited quantity Passenger: 10 L  
Passenger LQ: Y344  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 355





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IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6 Special precautions for user  
No data available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code  
No data available

## 15. Regulatory information

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

National regulatory information:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Employment restrictions:

Water contaminating class (D): 2 - clearly water contaminating  
Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required

## 16. Additional information

### 16.1 Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H302+H332 Harmful if swallowed or if inhaled.  
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.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.





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H411 Toxic to aquatic life with long lasting effects.

#### 16.2 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

#### DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

INCI	CAS	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	< 4



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Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lyral (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	< 0,1
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

The substances listed are subject to declaration if concentration exceeds 0.001 % in leave-on and 0.01 % in rinse-off products.

Mean values are indicated according to available statistical data. Values < 0.01 % are not mentioned. This is not needed since the dose of extract in the cosmetic product is normally < 0.5 %, in any case however < 5 %.

#### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.