

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
EINECS No. :	296-925-4
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL, 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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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.
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 skid 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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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

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 (CO₂), 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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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.

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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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
Vapor pressure: No data available
Density (at 20 °C): 0,89 - 0,91 g/cm³ 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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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
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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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

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



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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

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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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.
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).

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Pure Galbanum Essential Oil

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.