

<b>1. Identification of the substances / mixture and of the company/undertaking.</b>		
<b>1.1 Product identifier: Galbanum Oil FPD-2016A-LM9033</b>		
<b>Substance name: Other identifiers:</b> Ferula galbaniflua (Galbanum) resin oil		
<b>Biological Definition</b>		
<b>INCI Name</b>		
<b>Synonyms &amp; Trade Names</b>		
<b>EC NO:</b>	<b>CAS NO:</b> 9000-24-2	<b>EINECS CAS Number:</b>
<b>Index No:</b>	<b>Reach Registration No:</b>	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
<b>Identified uses:</b>		
<b>Uses advised against:</b>		
<b>1.3 Details of the supplier of the safety data sheet</b>		
<b>Company</b>	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
<b>Email</b>	info@penny-price.com	
<b>1.4 Emergency Telephone Number</b>	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>	

<b>2. Hazards Identification</b>			
<b>2.1 Classification of the substance or mixture</b>			
<b>Classified according to Regulation (EC) 1272/2008 (CLP) as amended</b>	Physical and Chemical Hazards	Flam. Liq. 3 – H226 Flam. Sol. 2 – H228	
	Human Health	Skin Corr / Irrit. 2 – H315	Skin Sens. 1 – H317
		Asp. Hazard. 1 – H304	Eye dam/ irrit. 2 – H319
	Environment	Aquatic Acute. 1 – H410	Aquatic Chronic. Long - Term Hazard. 1 – H410
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b>			
<b>Signal Word. DANGER</b>			
<b>Hazard statements.</b>			
H226	Flammable liquid and vapour	H228	Flammable solid

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.
H410	Very toxic to aquatic life with long lasting effects.		

**Precautionary statements.**

P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust
P264	Wash hands and other contacted skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do not induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.

**2.3 Other hazards – Results of PBT and vPvB According to Annex XIII**

**Adverse Physio-chemical Properties**

**Adverse Effects on Human Health**

**3. 1 Composition / information on ingredients:**

**Substances**

<b>Product identifier: Galbanum Oil; CA: 9000-24-2</b>			
<b>Contains:</b>			
<b>Substance name</b>	<b>Index number under CLP Annex VI</b>	<b>Weight % content (or range)</b>	<b>CL, M-Factor, ATE</b>
beta-Pinene	CAS: 127-91-3 EC: 204-872-5	50-100%	Flam.Liq. 3-H226 Skin Corr / Irrit 2- H315 Skin Sens 1B- H317 Asp. Hazard 1- H304 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	1-<5%	Flam.Liq. 3-H226 Skin Corr / Irrit 2- H315 Skin Sens 1B- H317 Asp. Hazard 1- H304 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
Myrcene	CAS: 123-35-3 EC: 204-622-5	1-<5%	Flam.Liq. 3-H226 Skin Corr / Irrit 2- H315 Eye Dam / Irrit 2 – H319 Asp. Hazard 1- H304
delta-3-Carene	CAS: 13466-78-9 EC: 236-719-3	1-<5%	Flam.Liq. 3-H226 Skin Corr / Irrit 2- H315 Skin Sens 1B- H317 Asp. Hazard 1- H304
dl-Limonene (racemic)	CAS: 138-86-3 EC: 205-341-0	1-<5%	Flam.Liq. 3-H226 Skin Corr / Irrit 2- H315 Skin Sens 1B- H317 Asp. Hazard 1- H304 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
Terpinolene	CAS: 586-62-9 EC: 209-578-0	0.1-<1%	Skin Sens 1B- H317 Asp. Hazard 1- H304 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
trans-cis-1,3,5- Undecatriene	CAS: 51447-08-6 EC:	0.1-<1%	Skin Sens 1B- H317 Asp. Hazard 1- H304 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
Camphene	CAS: 79-92-5 EC: 201-234-8	0.1-<1%	Flam.Liq. 3-H226 Flam. Sol. 2 – H228 Aquatic Acute 1- H410 Aquatic Chronic 1; H410
trans-trans-1,3,5- Undecatriene	CAS: 19883-29-5 EC:	0.1-<1%	Skin Corr / Irrit 2- H315 Asp. Hazard 1- H304

			Aquatic Acute 1- H410 Aquatic Chronic 1; H410
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<b>4. First Aid Measures</b>	
<b>4.1 General</b>	Immediately remove any clothing soiled by the product.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.
Skin contact	Take off all contaminated clothing. Rinse skin (hair) with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	
May be fatal if swallowed and enters airways.	
Causes skin irritation.	
May cause an allergic skin reaction.	
<b>4.3 Indication of any immediate medical attention and special treatment need</b>	
None expected, see Section 4.1 for further information.	
<b>5. Firefighting Measures</b>	
<b>5.1 Extinguishing Media:</b>	
<b>Suitable extinguishing media:</b>	Carbon dioxide, Dry chemical, Foam
<b>Unsuitable extinguishing media:</b>	
<b>5.2 Special hazards arising from the substances or mixture:</b>	
<b>Hazardous combustion products:</b>	In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.
<b>5.3 Advice for firefighters</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>6 Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment, and emergency procedures</b>	
<b>6.1.1 For non-emergency personnel</b>	
<b>Protective equipment:</b>	
<b>Emergency procedures:</b>	
<b>6.1.2 For Emergency responders</b>	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
<b>6.2 Environmental precautions</b>	Keep away from drains, surface and ground water, and soil.
<b>6.3 Methods for cleaning up – 6.3.1 For containment:</b>	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder.

	Dispose of according to local regulations.
<b>6.3.2 For cleaning up:</b>	
<b>6.3.3. Other information:</b>	
<b>6.4 Reference to other sections</b>	Also refer to sections 8 and 13

<b>7. Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Protective measures:</b> Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.	
<b>Measures to prevent fire:</b>	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
<b>Measures to prevent aerosol and dust generation:</b>	
<b>Measures to protect the environment:</b>	
<b>Advice on general occupational hygiene:</b>	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Technical measures and storage conditions:</b>	
<b>Packaging Materials:</b>	
<b>Requirements for storage and vessels:</b>	Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
<b>Storage Class: Further information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	

<b>8. Exposure controls/Personal protection:</b>	
<b>8.1 Control parameters</b>	Workplace exposure limits: Not Applicable
<b>8.2 Exposure controls</b>	
<b>Engineering Measures</b>	Ensure good ventilation of working area.
<b>8.2.2 Personal Protection equipment</b>	
8.2.2.1 Eye / face protection	Wear protective gloves/eye protection/face protection
8.2.2.2 Skin Protection	
Hand protection	

Other skin protection	
8.2.2.3 Respiratory protection	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.
Ventilation	
8.2.2.4 Thermal hazards	
<b>8.2.3 Environmental exposure controls</b>	
<b>9. Physical and chemical properties- C of A</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
Colour	
Appearance	Not determined
Odour	Not determined
Odour threshold;	Not determined
Melting Point / freezing point	Not determined
Boiling point /Initial boiling point & boiling range	Not determined
Flammability (solid, gas)	Not determined
Lower and upper explosion limit	Product does not present an explosion hazard.
Flash point °C	43°C
Evaporation rate:	Not determined
Auto- ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Viscosity	Not determined
Solubility(ies)	Not determined
Solubility in other Solvents	
Partition coefficient n-octanol/ water	Not determined
Vapour Pressure	Not determined
Relative density	Not determined
Vapour density	Not determined
Particle characteristics	
Explosive Properties	Not expected
Oxidising Properties	Not expected
<b>9.2 Other information</b>	None available
Specific gravity	

Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

<b>10. Stability and reactivity</b>	
<b>10.1 Reactivity</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>10.2 Chemical Stability</b>	Good stability under normal storage conditions
<b>10.3 Possibility of hazardous reactions:</b>	Not expected under normal conditions of use.
<b>10.4 Conditions to avoid:</b>	Avoid extreme heat.
<b>10.5 Incompatible Materials:</b>	Avoid contact with strong acids, alkalis or oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>	Not expected.

<b>11. Toxicological information</b>	
<b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008</b>	
<b>Information on Toxicological Effects</b>	
<b>Acute toxicity:</b>	Based on available data the classification criteria are not met.
<b>Acute Toxicity Oral</b>	>5000
<b>Acute Toxicity Dermal</b>	Not applicable
<b>Acute Toxicity Inhalation</b>	Not available
<b>Skin corrosion /irritation:</b>	Skin corrosion /irritation Category 2
<b>Seriously eye damage/irritation:</b>	Based on available data the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	Sensitization – Skin Category 1
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data the classification criteria are not met.
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard:</b>	Aspiration Hazard Category 1
<b>Information about hazardous ingredients in the mixture.</b>	Not Applicable Refer to Sections 2 and 3 for additional information.

<b>12. Ecological information</b>	
<b>12.1 Toxicity</b>	Very toxic to aquatic life with long lasting effects.
<b>12.2 Persistency &amp; degradability</b>	Not available.
<b>12.3 Bio accumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and vPvB Assessment</b>	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

<b>12.6 Endocrine disrupting properties</b>	
<b>12.7 Other adverse effects</b>	Not available

<b>13. Disposal considerations</b>	
13.1 Waste treatment methods	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose of contents / container in accordance with local / regional / national / international regulations.

<b>14. Transport information</b>	
14.1 UN Number or ID number	UN1169
14.2 UN proper Shipping name	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) Sub Risk:	3 -
14.4 Packing group	III
14.5 Environmental hazards	This is an environmentally hazardous substance.
14.6 Special precautions for user	None additional.
14.7 Transport in bulk according to Annex II of MARPOL73/ 78 and the IBC Code.	Not applicable.

<b>15 Regulatory information</b>	
<b>15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture</b>	
Water Hazard Class (WGK);	3
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out for this product.

<b>16. Other information</b>	
(i)	<b>Indication of Changes: Revised Safety Data Sheet Format:</b> From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021’.
(ii)	<b>Abbreviations and acronyms:</b> <b>DNEL:</b> Derived No-Effect Level. <b>PNEC:</b> Predicted No- Effect Concentration. <b>ADR:</b> European agreement concerning the international carriage of dangerous goods by road. <b>RID:</b> Regulations concerning the International carriage of Dangerous goods by rail. <b>IATA-DGR:</b> Dangerous Goods Regulations by the “International Air Transport Association” (IATA) <b>ICAO:</b> International Civil Aviation Organisation <b>ICAO-TI:</b> Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO)



**IMDG:** International Maritime Code for Dangerous Goods  
**IATA:** International Air Transport Association  
**ICAO:** International Maritime Dangerous Goods.  
**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals  
**EINECS:** European Inventory of Existing Commercial Chemical Substances  
**ELINCS:** European List of Notified Chemical Substances  
**CAS:** Chemical Abstracts Service (division of the American Chemical Society)  
**WGK:** Water Hazard Class.  
**LC50:** Lethal concentration, 50 percent  
**LD50:** Lethal Dose, 50 percent  
**PBT:** Persistent, Bio accumulative and Toxic  
**vPvB:** Very Persistent and very Bio accumulative  
**Flam. Liq:** Flammable Liquid  
**AT:** Acute Toxicity – O = Oral / D = Dermal / I = Inhalation  
**Asp:** Aspiration Hazard  
**Skin Corr/ Irrit:** Skin Corrosion / Irritation  
**Skin Sens:** Skin Sensation  
**Eye Dam/ Irrit:** Eye damage / Irritation  
**Muta:** Mutagenic  
**Carc:** Carcinogenic  
**Resp:** Respiration Sensitive  
**Repro:** Reproductive Sensitive  
**EH A:** Environmental Hazard Aquatic Acute  
**EH C:** Environmental Hazard Aquatic Chronic

**(iii) Key Literature references and sources of date.**

**(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) 1272/2008 (CLP)	Classification procedure
<b>(v) Relevant H-statements (number and full text):</b>	
<b>(vi) Training advice:</b>	
<b>(vii) Further information:</b>	
<b>Shelf life</b>	Minimum 12 months when stored in the advised conditions.

**QC requirements**

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

**Disclaimer:**

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is



**Penny Price Aromatherapy/ Aroma Formulations**  
**SAFETY DATA SHEET**  
**According to Regulation (EC) No.1272/2008**

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