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

1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Frankincense Oil		
Substance name: Olibanum CarterII Oil		
Biological Definition		
INCI Name		
Synonyms & Trade Names		
EC NO: 232-474-1	**CAS NO: 8016-36-2**	**EINECS CAS Number: 89957-98-2**
Index No:	**Reach Registration No:**	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Multiple uses.		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999	

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam. Liq. 3 – H226 Flam. Sol. 1 – H228	
	Human Health	Asp. Tox. 1 – H304	Acute Tox. 4 - H302
		Skin Irrit. 2 -H315	Skin Sens. 1 – H317
		Eye Irrit. 2 – H319	Skin Sens. 1B – H317
	Environment	Aquatic Acute. 1 – H400	Aquatic Chronic. 1 – H410
		Aquatic Chronic. 2 - H411	

2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:

Signal Word. DANGER

Hazard statements.

H226	Flammable Liquid and Vapour.	H228	Flammable solid.
H302	Harmful if swallowed.	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.	H400	Very toxic to aquatic life.

H410	Very toxic to aquatic life with long lasting effects.	H411	Toxic to aquatic life with long lasting effects.
Precautionary statements.			
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE / doctor.		
P330	Rinse mouth.		
P331	Do not induce vomiting.		
P303+P361+ P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.		
P362+P364	Take off contaminated clothing and wash it before reuse.		
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.		
P405	Store locked up.		
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.		
Supplementary Precautionary Statements:			
2.3 Other hazards – Results of PBT and vPvB According to Annex XIII	Not applicable.		
Adverse Physio-chemical Properties			
Adverse Effects on Human Health			

3. 1 Composition / information on ingredients:			
Substance name	**Index number under CLP Annex VI**	**Weight % content (or range)**	**CL, M-Factor, ATE**
Alpha Pinene	CAS: 80-56-8 EC: 201-291-9	25-50%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1- H410 Acute Tox. 4 – H302 Skin Irrit. 2 – H315 Skin Sens. 1B – H317
d- Limonene	CAS: 68647-72-3 EC: 227-813-5	10 - 25%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 - H400 Aquatic Chronic. 1 - H410 Skin Irrit. 2 – H315 Skin Sens. 1 – H317
Myrcene	CAS: 123-35-3 EC: 204-622-5	2.5 - 10%	Flam. Liq. 3 – H226 Asp. Tox. 1 -H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 2 – H411

			Skin Irrit. 2 – H315
Beta Caryophyllene	CAS: 87-44-5 EC: 201-746-1	2.5 - 10%	Asp. Tox. 1- H304 Skin Sens. 1B – H317
p-Cymene	CAS: 99-87-6 EC: 202-796-7	2.5 – 10%	Flam. Liq. 3 – H226 Asp. Tox. 1- H304 Aquatic Chronic. 2 – H411
Delta-3-Carene	CAS: 13466-78-9 EC: 236-719-3	≤2.5%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 - H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 -H315 Skin Sens. 1B – H317
Beta Pinene	CAS: 127-91-3 EC: 204-872-5	≤2.5%	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 – H315 Skin Sens. 1B – H317
Camphere	CAS: 79-92-5 EC: 201-234-8	≤2.5%	Flam. Sol. 1 - H228 Aquatic Acute. 1 - H400 Aquatic Chronic. 1 – H410 Eye Irrit. 2 – H319

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.
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 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.
4.2 Most important symptoms and effects, both acute and delayed:	
	No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment need	
	No further relevant information available.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide (CO2), powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media:	Water with full jet.
5.2 Special hazards arising from the substances or mixture:	
Hazardous combustion products:	Carbon Monoxide (CO).
5.3 Advice for firefighters	No special measures required.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	Wear protective equipment. Keep unprotected persons away.
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers / surface or ground water.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Ensure good ventilation /exhaustion at the workplace.	
Measures to prevent fire:	Keep ignition sources away – do not smoke. Protect against electrostatic charges.
Measures to prevent aerosol and dust generation:	

Measures to protect the environment:	
Advice on general occupational hygiene:	Observe good hygiene, do not eat, drink, or smoke whilst handling.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Store only I unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	No further relevant information available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
Additional Information about Design of Technical Facilities.	No further data; see item 7.
8.1 Control parameters	
Ingredients with Limit Values that Require Monitoring at the Workplace.	Not required
Additional Information	The lists valid during the making were used as basis.
8.2 Exposure controls	
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment	
General Protective and Hygiene Measures	Keep away from foodstuff, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.

8.2.2.1 Eye / face protection	Tightly sealed goggles.
8.2.2.2 Skin Protection	
Hand protection	Protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Material of gloves: Nitrile rubber, NBR. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Other skin protection	
8.2.2.3 Respiratory protection	Not required.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	According to product specification.
Appearance	Liquid
Odour	Characteristic.
Melting Point / freezing point	Undetermined.
Boiling point /Initial boiling point & boiling range	
Flammability (Solid, Gas).	Not applicable.
Lower and upper explosion limit	
Flash point ^{0}C (Closed Cup – ASTM D6450)	43.5°C
Auto- ignition temperature	Not determined.
Decomposition temperature	Not determined.
pH	
Kinematic Viscosity	
Solubility in Miscibility with Water	Not miscible or difficult to mix.
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	
Density and /or relative density @20°C	0.860 to 0.880

Evaporation Rate	Not determined.
Relative vapour density	
Particle characteristics	
Explosive Properties	Product is not explosive. However, formation of explosive air / vapour mixtures are possible.
Oxidising Properties	
9.2 Other information	No further relevant information available.
Specific gravity d_{20}^{20}	
Optical rotation @ 20^0C	
Refractive index @ 20^0 C	
Typical analysis of major components	

10. Stability and reactivity		
10.1 Reactivity	No further relevant information available.	
10.2 Chemical Stability	Thermal Decomposition / Conditions to Avoid	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.	
10.4 Conditions to avoid:	No further relevant information available.	
10.5 Incompatible Materials:	No further relevant information available.	
10.6 Hazardous Decomposition Products	No dangerous decomposition products known.	

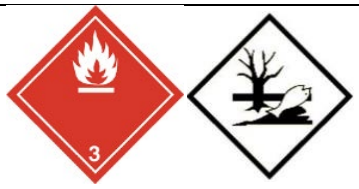
11. Toxicological information			
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008			
Information on Toxicological Effects			
Acute toxicity:	Harmful if swallowed.		
LD/LC50 Values Relevant for Classification:			
Alpha Pinene 80-56-8	Oral Dermal	LD50 LD50	3700 mg/kg (RAT) >5000 mg/kg (LAP)
Camphene 79-92-5	Oral Dermal	LD50 LD50	>5000 mg/kg (RAT) >2500 mg/kg (LAP)
Primary Irritant Effect:			
Skin corrosion /irritation:	Causes skin irritation.		
Seriously eye damage/irritation:	Based on available data the classification criteria are not met.		
Respiratory or skin sensitisation:	May cause an allergic skin reaction.		
Germ cell mutagenicity:	Based on available data the classification criteria are not met.		
Carcinogenicity:	Based on available data the classification criteria are not met.		

Reproductive toxicity:	Based on available data the classification criteria are not met.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	May be fatal if swallowed and enters airways.

12. Ecological information		
12.1 Toxicity	Aquatic Toxicity	No further relevant information available.
12.2 Persistency & degradability	No further relevant information available.	
12.3 Bio accumulative potential	No further relevant information available.	
12.4 Mobility in soil	No further relevant information available.	
Ecotoxical Effects	Very toxic for fish.	
Additional Ecological Information	Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish ad plankton in water bodies. Very toxic for aquatic organisms.	
12.5 Results of PBT and vPvB Assessment	Not applicable.	
12.6 Endocrine disrupting properties		
12.7 Other adverse effects	No further relevant information available.	

13. Disposal considerations	
13.1 Waste treatment methods	Must not be disposed together with household rubbish. Do not allow product to reach sewage system.
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.

14. Transport information	
14.1 UN Number or ID number ADR, IMDG, IATA	UN1169

14.2 UN proper Shipping name ADR	1169 EXTRACTS, AROMATIC LIQUID
UN proper Shipping name IMDG	EXTRACTS, AROMATIC, LIQUID (CYMENES DIPENTENE), MARINE POLLUTANT
UN proper Shipping name IATA	EXTRACTS, AROMATIC LIQUID
14.3 Transport hazard class(es) ADR Class Label	 3 (F1) Flammable liquids 3
Transport hazard class(es) IMDG Class Label	 3 Flammable liquid 3
Transport hazard class(es) ADR Class Label	 3 Flammable liquid 3
14.4 UN Packing Group ADR, IMDG, IATA	III
14.5 Environmental hazards Marine Pollutant	Product contains environmentally hazardous substances: d-limonene. Yes Symbol (fish and tree)
14.6 Special precautions for user Danger Code (Kemler) EMS Number Stowage Category	Warning: Flammable liquids 30 F-E, S-D A
14.7 Maritime transport in bulk according to Annex II or MARPOL73/78 and the IBC Code	Not applicable.
Transport / Additional Information ADR	 5L

Limited Quantities (LQ) Excepted Quantities (EQ) Tunnel Category Tunnel Restriction Code	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml 3 D/E
Transport / Additional Information IMDG Limited Quantities (LQ) Excepted Quantities (EQ)	 5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net
UN "Model Regulation"	UN1169 EXTRACTS, AROMATIC, LIQUID, 3, III

15 Regulatory information

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

Directive 2012/18/EU	Named Dangerous Substances – ANNEX I	Substance is not listed.
	Seveso Category	E1 Hazardous to the aquatic environment. P5c FLAMMABLE LIQUIDS
	Qualifying Quantity (tonnes) for the Application of Lower-tier Requirements	100 t
	Qualifying Quantity (tonnes) for the Application of Upper-tier Requirements	200t
	REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3, 40
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.	

16. Other information

(i) Indication of Changes: Revised Safety Data Sheet Format: 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) Abbreviations and acronyms:

RID: Reglement international concernant le transport des marschandisers dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Good by Rail).
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (LATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)
ADR: Accord eurpeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
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
Flam. Sol: Flammable solids
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**
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	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 date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.