

1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier: Clove Leaf Oil			
Substance name: Eugenia Caryophyllus Leaf Oil			
EC NO: 284-638-7	CAS NO: 8000-34-8	EINECS CAS Number: 8491-50-2	
Index No:	Reach Registration No:		
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified uses: Industrial, only for professionals			
Uses advised against: NOT FOR USE IN E-CIGARETTES OF SIMILAR DEVICES. Please read Section 16 Warning/Disclaimer notice.			
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. <u>Or call NHS 111 or NHS 999</u>		

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		
	Human Health	ATO 4- Acute toxicity, oral, category 4	ATO 5- Acute toxicity, oral, category 5
		AH 1 – Aspiration hazard, category 1	SCI 3 – Skin corrosion/irritation, category 3
		SS 1 – Skin Sensitisation, category 1	SS 1B- Skin Sensitisation, category 1B
		EDI 2A – Eye damage/irrit, category 2A	
	Environment	EH A2 – Aquatic hazard, acute, category 2	

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



Signal Word. DANGER

Hazard statements:

H302	Harmful if swallowed.	H303	May be harmful if swallowed.
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H304	May be fatal if swallowed and enters airways.	H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction	H319	Causes serious eye irritation.
H401	Toxic to aquatic life.		

Precautionary statements:

P261	Avoid breathing fumes.	P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.	P280	Wear protective gloves and eye protection.
P301+P310	IF SWALLOWED: immediately call a doctor.	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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.	P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+ P313	If eye irritation persists: Get medical attention.	P363	Wash contaminated clothing before reuse.
P405	Store locked up.	P501	Dispose of contents /containers in accordance with local/regional/national/international regulations.

2.3 Other hazards – Results of PBT and vPvB

	No further information available.
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3. 1 Composition / information on ingredients:

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Eugenol	CAS: 97-53-0 EC: 202-589-1	93.00%	ATO 5(2300) – H303; SCI 3 – H316; EDI 2A- H319; SS 1- H317; EH A2 – H401;
Caryophyllene	CAS: 87-44-5 EC: 201-746-1	4.00%	AH 1 – H304 SCI 3 – H316
Eugenyl acetate	CAS: 93-28-7 EC: 202 – 235-6	1.000%	ATO 4 (1670 - H302 SCI 3 – H316

4. First Aid Measures; Take phrases in Section 2 into account

4.1 General	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.

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, foam or dry powder. DO NOT USE A DIRECT WATER JET.
Unsuitable extinguishing media:	
5.2 Special hazards arising from the substances or mixture	
Hazardous combustion products:	May produce Carbon dioxide and unidentified organic compounds.
Advice for firefighters	Wear protective clothing and avoid inhalation of vapours.
6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Remove all sources of ignition. Avoid inhalation, skin, and eye contact. Ensure proper ventilation.
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not discharge directly into drains or the soil. Keep away from the surface and ground water.
6.3 Methods for cleaning up – 6.3.1 For containment:	Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations,

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: Ensure good ventilation/ exhaustion at the workplace.
Prevent formation of aerosols.
Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

Measures to prevent fire:

Measures to prevent aerosol and dust generation:

Measures to protect the environment:

Advice on general occupational hygiene:

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Packaging Materials:

Requirements for storage and vessels:

Storage Class: Store in tightly sealed original containers away from ignition sources and in a cool place.
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

8.1 Control parameters	No information available.
8.2 Exposure controls	
Engineering Controls:	No information available.
Individual Protection Measures	Refer to Section 5 for specific fire/chemical personal protective equipment advice.

8.2.2 Personal Protection equipment

8.2.2.1 Eye / face protection	Wear safety goggles.
8.2.2.2 Skin Protection	
Hand protection	Wear chemically resistant disposal gloves.
Other skin protection	Wear protective clothing. Always wash routinely before breaks, meals and at end of the work period.
8.2.2.3 Respiratory protection	Not generally required. Use inhalation protection in poorly ventilated areas.
Ventilation	
8.2.2.4 Thermal hazards	No information available.
8.2.3 Environmental exposure controls	No information available.

9. Physical and chemical properties- C of A

9.1 Information on basic physical and chemical properties

Colour	Pale yellow to pale brown liquid.
Appearance	
Odour	Spicy odour reminiscent of clove.
Odour Threshold	No data available.
Melting Point / freezing point	



Aroma Formulations
bespoke skincare innovations



PennyPrice
Aromatherapy
The English Aromatherapy Company

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

Boiling point /Initial boiling point & boiling range	
Flammability	
Lower and upper explosion limit	
Flash point °C	91.0°C
Auto- ignition temperature	No data available.
Decomposition temperature	No data available.
pH	Not applicable for this product
Kinematic Viscosity	No data available.
Solubility	
Partition coefficient n-octanol/ water (log value)	No data available.
Vapour Pressure	No data available.
Density and /or relative density @20°C	1.033 to 1.053
Relative vapour density	No data available
Particle characteristics	
Explosive properties	Not determined (material not explosive)
Oxidising properties	Not determined (not an oxidising agent)
9.2 Other information	No further information available.
Specific gravity d ₂₀ ²⁰	
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

10. Stability and reactivity

10.1 Reactivity	Not determined.
10.2 Chemical Stability	Not determined.
10.3 Possibility of hazardous reactions:	Not determined.
10.4 Conditions to avoid:	Extreme temperatures.
10.5 Incompatible Materials:	Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.
10.6 Hazardous Decomposition Products	Not determined.

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008

Acute toxicity:	No data available.
Skin corrosion /irritation:	No data available.
Seriously eye damage/irritation:	No data available.
Respiratory or skin sensitisation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
11.1.5. Information on likely routes of exposure	No data available.

11.1.6. Symptoms related to the physical, chemical, and toxicological characteristics	No data available.
11.1.7. Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure.	No data available.
11.1.8. Interactive Effects	No data available.
11.2.2. Other Information	No data available.

12. Ecological information

12.1 Toxicity	No data available; avoid soil, surface water and water-bearing stratum contamination.
12.2 Persistency degradability	No data available.
12.3 Bio accumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB Assessment	No data available.
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No data available.

13. Disposal considerations

13.1 Waste treatment methods	Dispose of contents / containers in accordance with local / regional / national / international regulations.
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 :	

14. Transport information

14.1 UN Number or ID number	Not regulated.
14.2 UN proper Shipping name	Not regulated.
14.3 Transport hazard class(es)	Not regulated.
14.4 Packing group	Not regulated.
Tunnel Code	Not regulated.
14.5 Environmental hazards	No relevant information available.
14.6 Special precautions for user	No relevant information available.
14.7 Maritime transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not regulated.

15 Regulatory information

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

I.e., EU Directives	No relevant information available at this time.
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 marchandises 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” (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO)

ADR: Accord europeen 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

AT: Acute Toxicity

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.	