


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name: Rosemary ct Cineole Oil Tunisian		
Biological Definition	Article number: HRFUK215	
INCI Name		
Synonyms & Trade Names		
EC NO: 283-291-9	CAS NO: 8000-25-7	EINECS CAS Number:
Index No:	Reach Registration No: 01-2120086955-39-0008	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Multi uses		
Uses advised against: No further information available		
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	Flam. Liq. 3 – H226	
	Human Health	Skin Corr/ Irrit. 2 – H315	Skin Sens. 1 – H317
		STOT SE. 2 – H371	Asp. Tox. 1 – H304
Environment	Aquatic Acute. 1 – H400	Aquatic Chronic. 2 – H411	
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard- determining components of labelling:			
Eucalyptol			
alpha- Pinene			
Camphor Natural			
beta-Pinene			
beta-Caryophyllene			
d-Limonene			
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.	H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.	H351	Suspected of causing cancer.
H371	May cause damage to organs	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 CENTER / doctor
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.
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 assessment	PBT: Not applicable vPvB: Not applicable
Adverse Physio-chemical Properties	
Adverse Effects on Human Health	

3. 1 Composition / information on ingredients:

Chemical characterisation: Substances

. CAS No. Description

8000-25-7 Rosemary Oil

. Identification number(s)

. EC number: 283-291-9

. Additional information:

Trade name: rosemary oil

Registration name (EC no): Essential oil of rosemary obtained from the flowering tops of Rosmarinus officinalis Linnaeus (Labiatae).by steam distillation (283-291-9)

IUPAC name: 1,3,3-trimethyl-2-oxabicyclo [2.2.2] octane; 1,7,7-trimethylbicyclo [2.2.1] heptan-2-one; 2,2-dimethyl-3-methylidenebicyclo [2.2.1] heptane; 2,6,6-trimethylbicyclo [3.1.1] hept-2-ene

Other identifiers, EC and CAS Numbers:

rosemary oil, Rosmarinus officinalis Linnaeus (CAS number: 8000-25-7 CAS US: 84604-14-8 EINECS: 283-291-9)

. hazardous components:

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Eucalyptol	CAS: 470-82-6 EINECS: 207-431-5	25-50%	Flam. Liq. 3 – H226 Skin Sens. 1B – H317
alpha-Pinene	CAS: 80-56-8 EINECS: 201-291-9	10-25%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Acute Tox. 4 – H3202 Skin Corro/ Irrit. 2 – H315 Skin Sens. 1 B – H317 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Camphor Natural	CAS: 76-22-2 EINECS: 200-945-0	10-25%	Flam. Sol. 2 – H228 STOT SE. 2 – H371 Acute Tox. Swallowed. 4 – H302 Acute Tox. Inhalation. 4 – H332
beta-Pinene	CAS: 127-91-3 EINECS: 204-872-5	2.5-10%	Flam. Liq. 3 - H226 Asp.Tox. 1 – H304 Skin Irrit. 2 – H315 Skin Sens. 1B – H317 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
camphene	CAS: 79-92-5 EINECS: 201-234-8	2.5-10%	Flam. Sol. 1 – H228 Eye Irrit. 2 – H319 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
beta-Caryophyllene	CAS: 87-44-5 EINECS: 201-746-1	2.5-10%	Asp.Tox. 1 – H304 Skin Sens. 1B – H317
Borneol	CAS: 507-70-0 EINECS: 208-080-0	2.5-10%	Flam. Sol. 2 -H228
d-Limonene	CAS: 68647-72-3 EINECS: 227-813-5	≤2.5%	Flam. Liq. 3 – H226 Asp. Tox.1 – H304 Skin Irrit. 2 – H315 Skin Sens. 1 -H317 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
alpha-Terpineol	CAS: 98-55-5 EINECS: 202-680-6	≤2.5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319
Myrcene	CAS: 123-35-3 EINECS: 204-622-5	≤2.5%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Skin Irrit. 2 - H315 Aquatic Acute. 1 – H400 Aquatic Chronic. 2 – H411
p-cymene	CAS: 99-87-6 EINECS: 202-796-7	≤2.5%	Flam. Liq. 3 –H226 Asp. Tox. 1 – 1 – H304

			Aquatic Chronic. 2 -H411
4-allylveratrole (methyl eugenol natural)	CAS: 93-15-2 EINECS: 202-223-0	≤2.5%	Muta. 2 – H341 Carc. 3 – H351 Acute. Tox. 4 – H302

4. First Aid Measures	
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. 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:	CO ₂ , 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.

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.

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:

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Packaging Materials:

Requirements for storage and vessels:	Store only in unopened original receptacles.
Storage Class: Further information on storage containers:	Information about storage in one common storage facility: Not required. Keep receptacle tightly sealed. Store in the dark
7.3 Specific end use(s).	No further relevant information available.
Recommendations:	
Industrial sector specific solutions:	


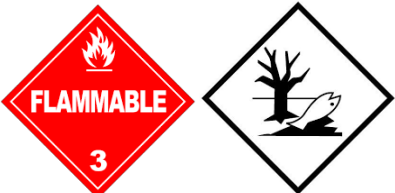

8. Exposure controls/Personal protection:	
Additional information about design of technical facilities: No further data; see item 7.	
8.1 Control parameters	
. Ingredients with limit values that require monitoring at the workplace: Not required	
CAS No.	Designation of materials % Type Value Unit
	76-22-2 Camphor Natural
WEL	Short-term value: 19mg/m ³ , 3 ppm Long-term value: 13 mg/m ³ , 2 ppm
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 foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of the 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 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 (closed cup – ASTM D6450):	47.3°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:	
Relative density at 20°C	0.907 - 0.920
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°C	
Refractive index @ 20°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 be avoided:	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:	
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:	Based on available data, the classification criteria are not met.
80-56-8 alpha-Pinene	
Oral	LD50 3,700 mg/kg (RAT)
Dermal	LD50 > 5,000 mg/kg (LAP)
76-22-2 Camphor Natural	
Oral	LD50 1,310 mg/kg (RAT)
79-92-5 camphene	
Oral	LD50 > 5,000 mg/kg (RAT)
Dermal	LD50 > 2,500 mg/kg (LAP)
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,	May cause damage to organs.
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 . Ecotoxicological effects: . Remark: . Additional ecological information: . General notes:	No further relevant information available. Very toxic for fish Toxic for fish Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms Toxic for aquatic organisms
12.5 Results of PBT and vPvB Assessment	PBT: Not applicable vPvB: 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:	Disposal must be made according to official regulations.
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	UN1169
14.2 UN proper Shipping name . ADR . IMDG . IATA	1169 EXTRACTS, AROMATIC, LIQUID EXTRACTS, AROMATIC. LIQUID (camphene, DIPENTENE), MARINE POLLUTANT EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es) ADR Class Label	 3 (F1) Flammable Liquids 3
IMDG Class Label	 3 Flammable Liquids 3
IATA Class Label	 3 Flammable Liquid 3
14.4 Packing group . ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	Product contains environmentally hazardous substances: camphene 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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
Transport / Additional information:	
. ADR . Limited quantities (LQ) . Excepted quantities (EQ) . Transport category . Tunnel restriction code	5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000 ml 3 D/E
. IMDG	

. Limited quantities (LQ) . Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation"	Un 1169 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

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 200 t

. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has 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:**

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods 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)

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
STOT SE: Specific Target Organ Toxicity (Single Exposure)
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.