


<b>1. Identification of the substances / mixture and of the company/undertaking.</b>		
<b>1.1 Product identifier:</b>		
<b>Substance name: Cumin Seed Oil</b>		
<b>Biological Definition</b>	<b>Article Number: HRFUK414</b>	
<b>INCI Name</b>		
<b>Synonyms &amp; Trade Names</b>		
<b>EC NO:</b> 283-881-6	<b>CAS NO:</b> 8014-13-9	<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> Multit uses		
<b>Uses advised against:</b> No further relevant information available		
<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. Or call NHS 111 or NHS 999	

<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	
	Human Health	Repr. 2 – H361	Asp. Tox. 1 - H304
		Skin Irrit. 2 – H315	Skin Sens. 1 -H317
	Environment	Acute Tox. 5 – H303	Acute Tox. 5 H313
Aquatic Acute. 2 – H401		Aquatic Chronic. 2 – H411	
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b>			
			
<b>Signal Word. DANGER</b>			
Hazard-determining components of labelling: Cuminaldehyde p-Mentha-1,4-diene beta-Pinene p-mentha-1,3-diene alpha-Pinene d-limonene			

<b>Hazard statements.</b>			
H226	Flammable liquid and vapour	H227	Combustible liquid
H302	Harmful if swallowed	H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways	H313	May be harmful in contact with skin
H315	Causes skin irritation	H316	Causes mild skin irritation
H317	May cause an allergic skin reaction	H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child.	H400	Very toxic to aquatic life
H401	Toxic to aquatic life	H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects		

<b>Precautionary statements.</b>	
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.

<b>Supplementary Precautionary Statements:</b>	
<b>2.3 Other hazards – Results of PBT and vPvB According to Annex XIII</b>	Not applicable
<b>Adverse Physio-chemical Properties</b>	
<b>Adverse Effects on Human Health</b>	

<b>3. 1 Composition / information on ingredients:</b>			
Chemical characterisation: Substances			
. CAS No. Description 8014-13-9 cumin oil			
. Identification number(s)			
. EC number: 283-881-6			
. <b>hazardous components</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>
p-Mentha-1,4-diene	CAS: 99-85-4 EINECS: 202-794-6	10-25%	Flam. Liq. 3 – H226 Asp.Tox. 1 – H304

			Acute Tox. 5 – H303 Skin Corr. 3 – H316
p-Mentha-1,4-diene	CAS: 99-85-4 EINECS: 202-794-6	10-25%	Flam. Liq. 3 – H226 Repr. 2 – H361 Asp. Tox. 1 – H304 Acute Tox. 5 – H303 Skin Corr. 3 – H316 Specific concentration limit: Repr. 2 – H361: C ≥3%
Cuminaldehyde	CAS: 122-03-2 EINECS: 204-516-9	10-25%	Acute Tox. 4 – H302 Acute. Tox. 5 - H313 Aquatic Acute 2- H401
1 p-mentha-1,3- diene	CAS: 99-86-5 EINECS: 202-795-1	10-25%	Flam. Liq. 3 - H266 Asp.Tox. 1 – H304 Acute Tox. 4- H302 Skin Corr. 3 – H316 Aquatic Acute. 2 – H401 Aquatic Chronic. 2 – H411
beta-Pinene	CAS: 127-91-3 EINECS: 204-872-5	10-25%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 -H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 – H315 Skin Sens. 1B – H317
p-cymene	CAS: 99-87-6 EINECS: 202-796-7	1-10%	Flam. Liq. 3 – H226 Repr. 2 -H361 Asp. Tox.1 – H304 Aquatic Chronic. 2 – H411 Aquatic Acute. 2 – H401 Acute. Tox. 5 – H303 Skin Corr. 3 – H316 Specific concentration limit: Repr. 2 – H361: C ≥3%
alpha-Terpineol	CAS: 98-55-5 EINECS: 202-680-6	1-10%	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Flam. Liq. 4, H227 Acute Tox. 5, H303 Aquatic Acute 2, H401
alpha-Phellandrene	CAS: 99-83-2 EINECS: 202-792-5	≥1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Corr. 3, H316
Myrcene	CAS: 123-35-3 EINECS: 204-622-5	≥1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400

			Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
alpha-Pinene	CAS: 80-56-8 EINECS: 201-291-9	≥1%	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: 5989-27-5 EINECS: 227-813-5	≥1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1B, H317

#### **4. First Aid Measures**

<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 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.
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#### **4.3 Indication of any immediate medical attention and special treatment need**

	No further relevant information available.
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#### **5. Firefighting Measures**

##### **5.1 Extinguishing Media:**

<b>Suitable extinguishing media:</b>	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>Unsuitable extinguishing media:</b>	Water with full jet

##### **5.2 Special hazards arising from the substances or mixture:** None

<b>Hazardous combustion products:</b>	Carbon monoxide (CO)
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##### **5.3 Advice for firefighters**

	No special measures required.
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<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>	Wear protective equipment. Keep unprotected persons away.
<b>Emergency procedures:</b>	
<b>6.1.2 For Emergency responders</b>	
<b>6.2 Environmental precautions</b>	Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits 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.
<b>6.3 Methods for cleaning up – 6.3.1 For containment:</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
<b>6.3.2 For cleaning up:</b>	
<b>6.3.3. Other information:</b>	
<b>6.4 Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

<b>7. Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Protective measures:</b> Open and handle receptacle with care. 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 ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
<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>	Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.
<b>Storage Class: Further information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	

<b>8. Exposure controls/Personal protection:</b>	
<b>. Additional information about design of technical facilities:</b>	No further data; see item 7.
<b>8.1 Control parameters</b>	
<b>Ingredients with limit values that require monitoring at the workplace:</b>	Not required.
<b>Additional information:</b>	The lists valid during the making were used as basis.
<b>8.2 Exposure controls</b>	
<b>Engineering Measures</b>	Ensure good ventilation of working area.
<b>General protective and hygienic measures:</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin
<b>8.2.2 Personal Protection equipment</b>	

8.2.2.1 Eye / face protection	Tightly sealed goggles
8.2.2.2 Skin Protection	
Hand protection	<p><b>Protective gloves</b></p> <p>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</p> <p>. <b>Material of gloves</b> Nitrile rubber, NBR</p> <p>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.</p> <p>. <b>Penetration time of glove material</b></p> <p>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Other skin protection	Avoid contact with the skin.
8.2.2.3 Respiratory protection	Not required
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	Colourless to pale yellow
Appearance	Liquid
Odour	Characterstic
Melting Point / freezing point	Undetermined
Boiling point /Initial boiling point & boiling range	
Flammability (solid, gas):	Not applicable
Lower and upper explosion limit	Not determined
Flash point (closed cup – ASTM D6450):	57°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	Not determined
Density: Evaporation rate	Not determined
Relative vapour density	
Particle characteristics	
Explosive Properties	Not determined
Oxidising Properties	
<b>9.2 Other information</b>	Not further relevant information available
Specific gravity $d_{20}^{20}$	
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

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

<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>	
. LD/LC50 values relevant for classification:	
99-85-4 p-Mentha-1,4-diene	
Oral	LD50 3,850 mg/kg (rat) (standard acute method)
99-85-4 p-Mentha-1,4-diene	
Oral	LD50 3,850 mg/kg (rat) (standard acute method)
99-86-5 p-mentha-1,3-diene	
Oral	LD50 1,680 mg/kg (rat)
99-87-6 p-cymene	
Oral	LD50 4,750 mg/kg (rat) (Litchfield & Wilcoxon 1949)
80-56-8 alpha-Pinene	
Oral	LD50 500 mg/kg (ATE) Acute Toxicity Estimate (ATE) 500 mg/kg (rat)
<b>Skin corrosion /irritation:</b>	Irritant to skin and mucous membranes.



<b>Seriously eye damage/irritation:</b>	
<b>Respiratory or skin sensitisation:</b>	Sensitisation possible through skin contact.
<b>Germ cell mutagenicity:</b>	
<b>Carcinogenicity:</b>	
<b>Reproductive toxicity:</b>	Repr. 2
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	
<b>STOT-repeated exposure:</b>	
<b>Aspiration hazard:</b>	

## **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.

**Ecotoxicological effects:**  
. Remark: Toxic for Fish

### **. Additional ecological information:**

**. General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

**12.5 Results of PBT and vPvB Assessment** Not applicable


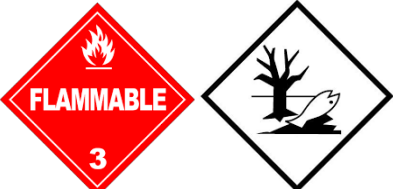

**12.6 Endocrine disrupting properties**

**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:	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.

<b>14. Transport information</b>	
14.1 UN Number or ID number ADR, IMDG, IATA	UN1169
14.2 UN proper Shipping name . ADR .IMDG . IATA	UN1169 EXTRACTS, AROMATIC, LIQUID EXTRACTS, AROMATIC, LIQUID (p-mentha-1-3-diene, Beta pinene), 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 liquids 3
14.4 Packing group . ADR, IMDG, IATA	III
14.5 Environmental hazards . Marine pollutant:	Product contains environmentally hazardous substances: Beta pinene Yes Symbol (fish and tree)

14.6 Special precautions for user	Warning: Flammable liquids.
. Hazard identification number (Kemler code):	30
. EMS Number:	F-E,S-D
. Stowage Category	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)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000 ml
. Transport category	3
. Tunnel restriction code	D/E
. IMDG	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	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 category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

. Qualifying quantity (tonnes) for the application of lower-tier requirements 200t

. Qualifying quantity (tonnes) for the application of upper-tier requirements 500t

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not 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  
**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.

<b>QC requirements</b>
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.
<b>Disclaimer:</b>
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.