


<b>1. Identification of the substances / mixture and of the company/undertaking.</b>			
<b>1.1 Product identifier:</b>			
<b>Substance name: Spearmint Oil</b>			
<b>Biological Definition</b>			
<b>INCI Name</b>	MENTHA SPICATA FLOWER/LEAF/STEM EXTRACT		
<b>Synonyms &amp; Trade Names</b>	<b>FEMA Number:</b> 3030		
<b>EC NO:</b> 283-656-2	<b>CAS NO:</b> 8008-79-5	<b>EINECS CAS Number:</b> 84696-51-5	
<b>CofE Number:</b> 285	<b>Reach Registration No:</b> 01-212744216-58-XXXX		
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>			
<b>Identified uses:</b> Flavour for industrial use, not aimed to be eaten in this state.			
<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. <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		
	Human Health	Asp. Tox. 1 – H304	Skin Irrit. 2 – H315
		Skin Sens. 1 – H317	
	Environment	Aquatic Chronic. 2 – H411	
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b>			
			
<b>Signal Word. DANGER</b>			
<b>Hazard-determining Components of Labelling:</b>			
l-Carvone (S)-p-mentha-1, 8-diene Alpha pinene Beta pinene Eucalyptol Menthone Isomenthone			

<b>Hazard statements.</b>			
H226	Flammable liquid and vapour.	H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.	H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.	H411	Toxic to aquatic life with long lasting effects.
<b>Precautionary statements.</b>			
P261	Avoid breathing dust / fume / gas / mist / vapours/ spray.		
P280	Wear protective gloves / protective clothing / eye protection / face protection.		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE / doctor		
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>	No applicable.		
<b>Adverse Physio-chemical Properties</b>			
<b>Adverse Effects on Human Health</b>			

<b>3. 1 Composition / information on ingredients:</b>				
<b>Chemical Characterisation</b>	<b>Substances</b>	Spearment Oil		
		<b>Identifications Numbers (s)</b>	<b>EINECS CAS Number</b>	<b>84696-51-5</b>
			<b>CAS Number</b>	<b>8008-79-5</b>
			<b>EC Number</b>	<b>283-656-2</b>
			<b>FEMA Number</b>	<b>3030</b>
<b>CofE Number</b>	<b>285</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>	
I-Carvone	CAS: 6485-40-1 EC: 229-352-5	50-100%	Skin Sens. 1B, H317	
(S)-p-mentha-1, 8-diene	CAS: 5989-54-8 EC: 227-815-6	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	
<b>Additional Information</b>	For the wording of the listed risk phrases refer to Section 16.			

<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 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>	
	No further relevant information available.
<b>4.3 Indication of any immediate medical attention and special treatment need</b>	
	No further relevant information available.
<b>5. Firefighting Measures</b>	
<b>5.1 Extinguishing Media:</b>	
<b>Suitable extinguishing media:</b>	Carbon dioxide (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.
<b>5.2 Special hazards arising from the substances or mixture:</b> None	
<b>Hazardous combustion products:</b>	Carbon monoxide (CO).
<b>5.3 Advice for firefighters</b>	No special measures required.
<b>6 Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment, and emergency procedures:</b> Not required.	
<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>	
<b>6.2 Environmental precautions</b>	Do not allow product to reach sewage system or any water course. 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.

## **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.

<b>Measures to prevent fire:</b>	No special measures required.
<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</b>	

<b>information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	No further relevant information available.
<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 Section 7.
<b>8.1 Control parameters</b>	
<b>Ingredients with Limit Values that Require Monitoring at the Workplace</b>	The product does not contain any relevant quantities with critical values that have to be monitored at the workplace.
<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>8.2.2 Personal Protection equipment:</b> No information available.	
<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. Avoid contact with the skin. Avoid contact with the eyes and skin.
8.2.2.1 Eye / face protection	Googles recommended during refilling.
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. 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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. 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	
<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	Characteristic
Melting Point / freezing point	Undetermined
Boiling point /Initial boiling point & boiling range	Undetermined
Flammability (Solid, gaseous)	Not applicable.
Lower and upper explosion limit	
Flash point (Closed Cup – ASTM D6450)	71°C
Auto- ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined
pH	Not determined
Viscosity Dynamic	Not determined
Viscosity Kinematic	Not determined
Solubility in / Miscibility with Water	Not miscible or difficult to mix.
Solubility in other Solvents	
Partition coefficient n-octanol/ water	Not determined.
Vapour Pressure	
Density at 20°C	0.925 g/cm <sup>3</sup>
Vapour density	Not determined
Evaporation Rate	Not determined
Particle characteristics	
Explosive Properties	Product does not present an explosion hazard.
Oxidising Properties	
<b>9.2 Other information</b>	No further relevant information available.
Specific gravity d <sub>20</sub> <sup>20</sup>	
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>	Not determined.

<b>Thermal Decomposition/Conditions to Avoid</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.

## **11. Toxicological information**

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

#### **Information on Toxicological Effects**

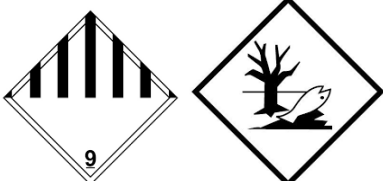
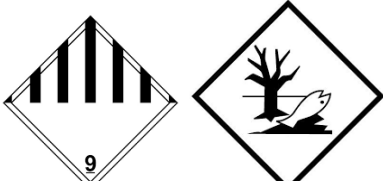
<b>Acute toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion /irritation:</b>	Causes skin irritation.
<b>Seriously eye damage/irritation:</b>	Based on available data; the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	May cause an allergic skin reaction.
<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>	May be fatal if swallowed and enters airways.

## **12. Ecological information**

<b>12.1 Toxicity</b>	No further relevant information available.
<b>Aquatic Toxicity</b>	No further relevant information available.
<b>12.2 Persistency &amp; degradability</b>	No further relevant information available.
<b>12.3 Bio accumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available.

<b>Ecotoxicological Effects</b>	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. Toxic for aquatic organisms.
<b>12.5 Results of PBT and vPvB Assessment</b>	Not applicable.
<b>12.6 Endocrine disrupting properties</b>	
<b>12.7 Other adverse effects</b>	No further relevant information available.

<b>13. Disposal considerations</b>	
13.1 Waste treatment methods	Must not be disposed together with household garbage. 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	UN3082
14.2 UN proper Shipping name ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT
IATA	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es) ADR	 9 (M6) Miscellaneous dangerous substances and articles. 9
Class Label	
IMDG, ICAO	 9 Miscellaneous dangerous substances and articles. 9
Class	



Label	
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards Marine Pollutant Special Marking ADR Special Marking IATA	Product contains environmentally hazardous substances: (S)-p-mentha-1, 8-diene Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Danger Code (Kemler) EMS Number Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A, S-F A
14.7 Transport in bulk according to Annex II of MARPOL73 /78 and the IBC Code	Not applicable
Transport / Additional 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: 1000ml 3 E
IMDG Limited Quantities (LQ) Excepted Quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml
UN "Model Regulation"	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

### 15 Regulatory information

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

<b>Directive 2012/18/EU</b>	<b>Named Dangerous Substances ANNEX I</b>	None of the ingredients is listed.
	<b>Seveso Category</b>	E2 – Hazardous to the Aquatic Environment.
	<b>Qualifying Quantity (tonnes) for the Application of Lower-tier Requirements</b>	200 t
	<b>Qualifying Quantity (tonnes) for the Application of Upper-tier Requirements 5</b>	500 t
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:**

**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.	