



Essential Oils Direct Ltd

Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Spearmint Oil.			
Biological Definition		Mentha Spicata Oil is an essential oil obtained from the herbs of the Spearmint, <i>Mentha spicata</i> L., <i>Labiatae</i> (syn: <i>Mentha viridis</i> L., <i>Labiatae</i>). It contains carvone (more than 50%), limonene, pinene.			
INCI Name		Mentha Spicata Herb Oil.			
Synonyms & Trade Names		-			
CAS-No	84696-51-5	EC No.	283-656-2	EINECS No.	283-656-2
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data available.					
1.3 Details of the supplier of the safety data sheet					
Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912					
1.4 Emergency Tel. No.		+ 44 (0) 161 633 3952			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture		
The Full Text for all Hazard Statements displayed in Section 16.		
Classification (EC 1272/2008)		
Aspiration toxicity Category 1 - (H304). Acute toxicity - Oral Category 4 - (H302). Skin corrosion/irritation Category 2 - (H315). Serious eye damage/eye irritation Category 2 - (H319). Skin sensitization Category 1 - (H317). Chronic aquatic toxicity Category 2 - (H411).		
2.2 Label Elements		
Label in accordance with (EC) No 1272/2008		
GHS08	GHS07	GHS09
Signal Word	Danger.	
Contains	-	
Hazard Statements		
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. H411 - Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - Do NOT induce vomiting. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P273 - Avoid release to the environment.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	May be harmful in contact with skin.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance	
Min 60.0% L-Carvone CAS-No.: 6485-40-1 EC No.: 229-352-5	
Classification (EC 1272/2008) Aquatic Acute 3 (H402), Skin Sens. 1 (H317), Skin Irrit. 3 (H316), Acute Tox. 4 (H302), Acute Tox. 5 (H313).	
5.0 - 15.0% D-Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5	
Classification (EC 1272/2008) Aquatic Acute 1 (H400), Skin Sens. 1(H317), Skin Irrit. 2 (315), Asp. Tox. 1 (H304), Aquatic Chronic 1 (H410), Flam. Liq. 3 (H226)	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
4.2 Most important symptoms and effects, both acute and delayed	
None known.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable Extinguishing Media	Use CO ₂ , dry chemical, or foam.
Unsuitable extinguishing media	No information available.
5.2 Special hazards arising from the product	
Thermal decomposition can lead to release of irritating and toxic gases and vapours. Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.	
5.3 Advice for firefighters	
Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Personal precautions	Ensure adequate ventilation, especially in confined areas.
For emergency responders	Use personal protection recommended in Section 8.
6.2 Environmental Precautions	
Collect spillage.	
6.3 Methods and material for containment and cleaning up.	
Methods for Containment: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).	
Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.	
6.4 Reference to other sections	
See Section 12: ECOLOGICAL INFORMATION.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Advice on safe handling	Ensure adequate ventilation, especially in confined areas.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
7.2 Conditions for safe storage, including any incompatibilities	
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.
7.3 Specific end use(s)	
Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.	

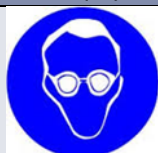
08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters					
Chemical Name	European Union	United Kingdom	France	Spain	Germany
D-Limonene	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	TWA: 5ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin

Chemical Name	Italy -	Portugal -	Netherlands -	Finland TWA: 25ppm TWA: 140 mg/m ³ STEL: 50ppm STEL: 280 mg/m ³	Denmark -
Chemical Name	Austria -	Switzerland STEL: 14ppm STEL 80 mg/m ³ TWA: 7ppm TWA: 40 mg/m ³	Poland -	Norway TWA: 25ppm TWA: 140 mg/m ³ TEL: 37.5 ppm STEL: 175 mg/m ³	Ireland -
Derived No Effect Level (DNEL)			No information available		
Predicted No Effect Concentration (PNEC)			No information available.		

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data available.
Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Respiratory Equipment	No additional data available.
Hand Protection	No additional data available.
Eye Protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No additional data available.
Skin Protection	Suitable protective clothing.
Environmental Exposure Controls	No additional data available.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear mobile liquid.
Colour	Colourless to green yellow.
Odour	Characteristic.
Relative Density	0.910 – 0.938 @ 20°C.
Flash Point (°C)	58 °C / 137 °F
Refractive Index	1.480 – 1.495 @ 20°C.
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	0.4
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No additional data available.

10.2 Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3 Possible hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. TOXOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute Toxicity	<p>Product Information Product does not present an acute toxicity hazard based on known or supplied information.</p> <p>Inhalation No data available. Eye Contact No data available. Skin contact No data available. Ingestion No data available.</p> <p>The following values are calculated based on chapter 3.1 of the GHS document</p> <p>ATEmix (oral) 1,818.00 ATEmix (dermal) 2,711.00</p> <p>Unknown acute toxicity 23% of the mixture consists of ingredient(s) of unknown toxicity.</p> <p>L-Carvone Oral LD50 = 1640 mg/kg (rat) D-Limonene Oral LD50 = 4400 mg/kg (rat) Dermal LD50 >5 g/kg (rabbit)</p>
Skin corrosion / irritation	No additional data available.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	No additional data available.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.

STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	None.

12. ECOLOGICAL INFORMATION

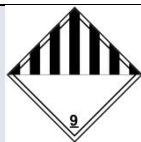
12.1 Toxicity			
23 % of the mixture consists of components(s) of unknown hazards to the aquatic environment			
Chemical Name	Algae/aquatic plants	Fish	Crustacea
D-Limonene	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-
12.2 Persistence & degradability			
No additional data available.			
12.3 Bioaccumulation Potential			
No additional data available.			
12.4 Mobility in soil			
No additional data available.			
12.5 Results of PBT and vPvB Assessment			
No additional data available.			
12.6 Other adverse effects			
No additional data available.			

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal..

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082
14.2 UN proper shipping name	
Environmentally Hazardous Substance, liquid n.o.s.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class	9
IMDG Class	9
ICAO Class/Division	9

**14.4 Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.

**14.6 Special precautions for user**

None.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

EmS: F-A,S-F

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full

H400 - Very toxic to aquatic life
 H317 - May cause an allergic skin reaction
 H304 - May be fatal if swallowed and enters airways
 H410 - Very toxic to aquatic life with long lasting effects
 H226 - Flammable liquid and vapour
 H315 - Causes skin irritation
 H402 - Harmful to aquatic life
 H302 - Harmful if swallowed
 H313 - May be harmful in contact with skin

Other Information	None.
Revision Date	17/03/2016
Reason for revision	New format and updated SDS.
Rev No/Repl, SDS Generated	02

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.