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Safety Data Sheet

Organic Peppermint Essential Oil (*Mentha piperita*)

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

1.1 Product Identifier					
Product Name		Peppermint Oil Organic			
Biological Definition		The volatile oil obtained by steam distillation of the leaves and flowering tops of <i>Mentha x piperita</i> L. Mitcham type. Fam. Labiatae, usually followed by the purely physical processes of dementholation and rectification.			
INCI Name		Mentha Piperita Oil			
Synonyms & Trade Names		Mentha piperita Extract			
CAS-No	84082-70-2	EC No.	282-015-4	EINECS No.	282-015-4
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					
NHR Organic Oils, 24 CHATHAM PLACE, BRIGHTON BN1 3TN (UK)					
1.4 Emergency Tel. No.		0845 310 8068			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture		
The Full Text for all Hazard Statements are displayed in Section 16.		
Classification (EC 1272/2008)		
Physical and Chemical Hazards: Flam. Liq. 4 - H227 Human health: Acute Tox.5 - H303; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp. Tox. 1 – H304 Environment: Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411		
2.2 Label Elements		
Label in accordance with (EC) No 1272/2008		
GHS08	GHS07	GHS09
		
Signal Word	Danger.	
Contains	Alpha pinene natural, I-LIMONENE.	
Hazard Statements		
H227 Combustible liquid. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H401 Toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.		

Precautionary Statements	
P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.	
Supplementary Precautionary Statements	
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P272 Contaminated work clothing should not be allowed out of the workplace. P261 Avoid breathing vapour/spray. P262 Do not get in eyes, on skin, or on clothing. P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. P302+352 IF ON SKIN: Wash with plenty of soap and water. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P331 Do NOT induce vomiting. P332+313 If skin irritation occurs: Get medical advice/attention. P333+313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P391 Collect spillage. P403+235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container to ...	
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	No additional data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
30.0-60.0% L-Menthol CAS-No.: 2216-51-5 EC No.: 218-690-9	
Classification (EC 1272/2008) Skin Irrit. 2 - H315	
15.0-30.0% Menthone CAS-No.: 89-80-5 EC No.: 201-941-1	
Classification (EC 1272/2008) Aquatic Chronic 3 - H412	
5.0 – 10.0% Methyl Acetate CAS-No.: 89-48-5 EC No.: 201-911-8	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	
2.5-5.0% 1,8 Cineol CAS-No.: 470-82-6 EC No.: 207-431-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226	
3.0 – 7.5% Menthofuran CAS-No.: 494-90-6 EC No.: 207-795-5	
Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Aquatic Chronic2 - H411	

<p>2.5 – 5.0% Alpha Pinene Natural CAS-No.: 80-56-8 EC No.: 201-291-9</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304</p>
<p>1.0 – 5.0% l-Limonene CAS-No.: 5989-54-8 EC No.: 227-815-6</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>
<p>1.0 – 5.0% Pulegone CAS-No.: 15932-80-6 EC No.: 240-070-1</p> <p>Classification (EC 1272/2008) Acute Tox. 4 - H302</p>
<p>0.5 – 2.5% Beta Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 - H304</p>
<p>1.0 – 5.0% Iso-Menthone CAS-No.: 1196-31-2 EC No.: 214-813-5</p> <p>Classification (EC 1272/2008) Not classified.</p>

4. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
4.2 Most important symptoms and effects, both acute and delayed	
<p>Inhalation: May irritate respiratory tract.</p> <p>Ingestion: May cause nausea.</p> <p>Skin contact: May cause irritation and stinging.</p> <p>Eye contact: May cause irritation and reddening.</p>	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
<p>Extinguishing media: Foam, carbon dioxide or dry powder.</p> <p>Unsuitable extinguishing media: Do not use a direct stream of water.</p>

5.2 Special hazards arising from the product
Hazardous combustion products: Carbon monoxide, unidentified organic compounds may be formed during combustion.
5.3 Advice for firefighters
Special Fire Fighting Procedures: In case of overheating, cool containers to avoid a pressure increase. Protective equipment for fire-fighters: Wear protective clothing and avoid inhalation of vapours.


6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Remove all sources of ignition. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Soak up spillage with sand or other inert absorbant material such as earth or vermiculite, transfer used material to a suitable waste container and dispose on accordance with regulations.
6.4 Reference to other sections
Take Risk, Safety and Precautionary phrases (section 16) into account.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid inhalation of vapours/spray and contact with skin and eyes.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place.
7.3 Specific end use(s)
No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	No additional data available.
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Chemical resistant gloves (PVC).
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.

Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Colourless to pale yellow
Odour	Characteristic.
Relative Density	0.880 - 0.915 @ 20°C
Flash Point (°C)	>65
Refractive Index	1.450 - 1.470 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
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 dangerous reactions known.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
Extreme Temperatures.	
10.5 Incompatible materials	
Materials To Avoid Highly reactive chemicals, such as concentrated sulphuric acid, which may produce unknown reaction products and so cause additional hazards.	
10.6 Hazardous Decomposition Products	
Not known.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Not available for a complex mixture of different substances.
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	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.
12.2 Persistence & degradability
Degradability : No data available.
12.3 Bioaccumulation Potential
Bioaccumulative potential : No data available on bioaccumulation.
12.4 Mobility in soil
Mobility: The product is insoluble in water.
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
Dispose of in compliance with all local and national regulations.

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 (limonene / alpha pinene)	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class 9 ADR/RID/ADN Class 9: Miscellaneous dangerous substances and articles. IMDG Class 9 ICAO Class/Division 9	
Transport Labels	



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

EMS F-A-S-F
 Emergency Action Code 3Z
 Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.
 Tunnel Restriction Code (E)

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

Tariff Number 3301 2410

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

H315 Causes skin irritation.
 H227 Combustible liquid.
 H226 Flammable liquid and vapour.

	H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H304 May be fatal if swallowed and enters airways. H303 May be harmful if swallowed. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information	None
Revision Date	13/10/2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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