







Essential Oils Direct Ltd

Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Dill Seed Oil			
Biological Definition		Anethum Graveolens Seed Oil is an essential oil obtained from the seeds of the Dill, <i>Anethum graveolens L., Apiaceae</i> . It contains carvone (50%), D-limonene, phellandrene and other terpenes.			
INCI Name		Anethum Graveolens Seed Oil			
Synonyms & Trade Names		-			
CAS-No	90028-03-8 / 8006-75-5	EC No.	289-790-8 / -	EINECS No.	289-790-8 / -
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)	
Flammable Liquid, Hazard Category 3. H226 Aspiration toxicity Category 1 - (H304) Skin corrosion/irritation Category 2 - (H315) Skin sensitisation Category 1 - (H317)	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>GHS02</p>  </div> <div style="text-align: center;"> <p>GHS07</p>  </div> <div style="text-align: center;"> <p>GHS08</p>  </div> <div style="text-align: center;"> <p>GHS09</p>  </div> </div>	
Signal Word	Danger.
Contains	Limonene
Hazard Statements	
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. H410: Very toxic to aquatic life with long lasting effects.	
Precautionary Statements	

Essential Oils Direct Ltd – 13 Parkside Industrial Estate, Edge Lane St, Royton OL2 6DS - 0161 633 3952 Reg No 04199912

www.essentialoilsdirect.co.uk

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P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P370+P378: In case of fire: Use water to extinguish.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331: Do NOT induce vomiting.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P501: Dispose of contents in accordance with local, state or national legislation.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P321: Specific treatment (see Medical Advice on this label).
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing. And wash it before reuse.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P273: Avoid release to the environment.
 P391: Collect spillage.

Supplementary Precautionary Statements

P264: Wash hands and exposed skin thoroughly after handling.
 P332+P313: If skin irritation occurs: Get medical advice/attention.

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.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

45 - 55% Carvone CAS No: 2244-16-8 EC No: 218-827-2

Classification (EC 1272/2008) Skin Sens. 1 – H317

<43% Limonene CAS-No: 5989-27-5 EC No: 227-813-5

Classification (EC 1272/2008) Flam Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

< 4% (Z)-dihydro Carvone CAS No: 99-49-0 EC No: 202-759-5

Classification (EC 1272/2008) Skin Sens. 1 – H317

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove from exposure area to fresh air. Obtain medical advice if discomfort occurs.
Ingestion	Wash mouth out with water and obtain medical advice immediately. DO NOT INDUCE VOMITING!
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water for at least 15 minutes. Remove contact lenses. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
 Contact: may cause an allergic reaction.

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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2 Special hazards arising from the product
Specific hazards arising from the Thermal decomposition can lead to release of irritating and toxic gases and vapours.
5.3 Advice for firefighters
Standard procedure for chemical fires. Spray extinguishing media to base of flames. Wear protective clothing. Avoid inhalation of vapours. Wear suitable respiratory equipment, if insufficient ventilation. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.



06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas. For emergency responders Use personal protection recommended in Section 8.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water. See section 12 for additional information.
6.3 Methods and material for containment and cleaning up.
Remove ignition sources. Ensure adequate ventilation. Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Dispose of according to current local authority guidelines.
6.4 Reference to other sections
See sections 4, 8 and 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Keep original container closed. Avoid contact with skin and eyes. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep away from heat, sparks and open flame. Avoid exposing to high temperatures during processing.
7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional data available.
8.2 Exposure controls
Protective Equipment
 

Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation, especially in confined areas.
Respiratory Equipment	Avoid breathing vapours. Respiratory equipment should not be necessary with adequate ventilation.
Hand Protection	Avoid all skin contact. Wear chemical resistant gloves (PVC).
Eye Protection	Avoid contact with eyes. Wear approved safety goggles with built in side shield.
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Pale yellow.
Odour	Characteristic
Relative Density	Approx. 0.900 @ 20°C
Flash Point (°C)	48 °C
Refractive Index	Approx. 1.485 @ 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	No additional data available.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal temperature and storage conditions and recommended use.

10.2 Chemical stability

Stable under normal temperature and storage conditions and recommended use.

10.3 Possible hazardous reactions

Not expected under normal temperature conditions and recommended use.

10.4 Conditions to Avoid

Avoid heat, sparks and open flames. Avoid exposure to air over prolonged periods.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

Not expected under normal temperature conditions and recommended use. In case of combustion; CO₂ and CO may be released.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No additional data available.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
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	May be fatal if swallowed and enters airways
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION



12.1 Toxicity	
Very toxic to aquatic life with long lasting effects.	
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	
Do not discharge into the environment especially not into waterways, sewers and the sea.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company. Containers must be completely empty before disposal.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	UN 1169
UN No. SEA	UN 1169
UN No. AIR	UN 1169
14.2 UN proper shipping name	
Extracts, Aromatic, Liquid.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class:	3 Flammable Liquid.
IMDG Class:	3 Flammable Liquid.
ICAO Class/Division:	3 Flammable Liquid.

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	
No additional data available.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
No additional data available.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG(108). <u>EU Legislation</u> 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	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. H410: Very toxic to aquatic life with long lasting effects.
Other Information	No additional data available.
Revision Date	13/02/2017
Reason for revision	Updated to new SDS format

Rev No/Repl, SDS Generated	03 replaces version 02
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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.