


1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier:			
Substance name:			
Biological Definition	Product Name: Dill Seed Oil		
INCI Name	Anethum Graveolens Seed Oil		
Synonyms & Trade Names			
EC NO: 289-790-8/	CAS NO: 90028-03-8 / 8006-75-5	EINECS CAS Number:	
Index No:	Reach Registration No:		
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified uses: SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU10] Formulation [mixing] of preparations and/or re-packaging (excluding alloys); [PC39] Cosmetics, personal care. For use in the Cosmetics and Personal Care Industry			
Uses advised against:			
1.3 Details of the supplier of the safety data sheet			
Company	Penny Price Aromatherapy Ltd		
	Unit D3 Radius Court		
	Maple Drive		
	Hinckley		
	Leicestershire LE10 3BE		
Email	info@penny-price.com		
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999		

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classification: 67/548/EEC: Not Classified			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam. Liq. 3 – H226	
	Human Health	Asp. Tox. 1 – H304	Skin Irrit. 2 – H315
	Environment	Skin Sens. 1 – H317	
		Aquatic Acute. 1 – H400	Aquatic Chronic. 1 – H410
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Contains: Limonene			
Hazard statements.			
H226	Flammable liquid and vapours	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.

Precautionary statements.

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
P370+P378	In case of fire: Use carbon dioxide, dry chemical, foam to extinguish.

Supplementary Precautionary Statements:

P264	Wash hands thoroughly after handling.
P510	Dispose of contents and container in accordance with local / regional/ national / international regulations.

**2.3 Other hazards
– Results of PBT
and vPvB
According to
Annex XIII**

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**Adverse Physio-
chemical
Properties**

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**Adverse Effects on
Human Health**

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3. 1 Composition / information on ingredients:

Substance 67/548/EEC / 1999/45/EC

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Carvone	CAS: 99-49-0 EC: 202-759-5	50.00%	Skin Sens. 1 – H317 Aquatic Chronic. 1 – H410
d-Limonene	CAS: 5989-27-5 EC: 227-813-5	<43.00%	Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H411

4. First Aid Measures	
4.1 General	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:	
Allergic contact dermatitis.	
The most important symptoms and effects are stated in section 2.2. and section 11.	
4.3 Indication of any immediate medical attention and special treatment need	
Treat symptomatically, see Section 4.1 for further information.	
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide, dry chemical, foam.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this may scatter and spread fire.
5.2 Special hazards arising from the substances or mixture: None	
Hazardous combustion products:	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂), Carbon monoxide (CO), other toxic gases. Containers close to fire should be removed or cooled with water.
5.3 Advice for firefighters	Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate protective clothing.
6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling. For emergency responders: Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.

6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb with liquid binding material e.g. sand, diatomaceous earth or vermiculite. Collect in closed and suitable containers for disposal in accordance with local, state or national legislation. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	See sections 4, 7, 8 & 13.

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.

Measures to prevent fire:

Measures to prevent aerosol and dust generation:

Measures to protect the environment:

Advice on general occupational hygiene:

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothing before re-use.

Do not eat, drink or smoke when using this product.

Wear personal protective equipment.

Do not breathe vapours or spray mist.

Use only in area provided with adequate ventilation.

Keep away from heat, sparks and open flame.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take necessary action to avoid static discharge as this might cause ignition of vapours.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Store in tightly-closed, original container in a dry, cool and well-ventilated area, away from potential sources of ignition and protected from light.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	For use in the Cosmetics and Personal Care Industry
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	No additional data available.
8.2 Exposure controls	An eyewash fountain and/or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained. These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require additional precautions. Avoid discharging into drainage water. Only eliminate by authorised companies.
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear protective goggles/glasses in accordance with standard EN166.
8.2.2.2 Skin Protection	Wear protective skin covering/ Wear protective gloves that are resistant to chemical agents in accordance with standard EN374.
Hand protection	
Other skin protection	
8.2.2.3 Respiratory protection	Respiratory Protective Equipment (RPE) is not normally required where there is adequate natural or local exhaust ventilation to control build-up of excessive vapour. In confined or poorly ventilated area approved respiratory masks may be required.
Ventilation	
8.2.2.4 Thermal hazards	

8.2.3 Environmental exposure controls	
General information:	Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing hands after handling the material and before eating and drinking. See sections 2 & 7 for additional information.

9. Physical and chemical properties- C of A

9.1 Information on basic physical and chemical properties

Colour	Pale yellow
Appearance	Mobile liquid
Odour	Characteristic
Melting Point / freezing point	No additional data available.
Boiling point /Initial boiling point & boiling range	No additional data available.
Flammability (solid, gas)	No additional data available.
Lower and upper explosion limit	
Flash point °C	48°C
Evaporation rate	No additional data available.
Auto- ignition temperature	
Decomposition temperature	
pH	Not determined
Kinematic Viscosity	
Solubility in Water	Insoluble in water
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	No additional data available.
Density and /or relative density	
Relative vapour density	
Particle characteristics	
Explosive Properties	No additional data available.
Oxidising Properties	No additional data available.
9.2 Other information	No additional information.
Specific gravity	0.895-0.910 @20°C
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

10. Stability and reactivity

10.1 Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
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10.2 Chemical Stability	Stable under the recommended handling and storage conditions. See section 7 for additional information.
10.3 Possibility of hazardous reactions:	Not expected under normal conditions of use.
10.4 Conditions to avoid:	Avoid heat, sparks and open flames. Avoid exposure to air over prolonged periods.
10.5 Incompatible Materials:	Avoid contact with strong acids, alkalis or oxidising agents.
10.6 Hazardous Decomposition Products	Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases

11. Toxicological information

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

Information on Toxicological Effects


Acute toxicity:	Not classified.
Skin corrosion /irritation:	Causes skin irritation. May cause an allergic skin reaction.
Seriously eye damage/irritation:	Not classified.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	May be fatal if swallowed and enters airways.


12. Ecological information

12.1 Eco Toxicity	Very toxic to aquatic life with long lasting effects.
12.2 Persistency & degradability	No data available
12.3 Bio accumulative potential	No data available
12.4 Mobility in soil	Prevent contamination of soil, ground and surface water.
12.5 Results of PBT and vPvB Assessment	

12.6 Endocrine disrupting properties	
12.7 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 allow entry into drains or waterways.
13.1.1. Product /Packaging disposal:	Empty container completely. Keep label(s) on container. Dispose of via a certified disposal contractor.
13.1.2 Waste treatment-relevant information:	Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment.
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Do not allow material to intrude soil or waters. Dispose of contents / container in accordance with local / regional / national / international regulations.

14. Transport information	
14.1 UN Number or ID number	UN1169
14.2 UN proper Shipping name	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) ADR / RID	ADR Classification Code – F1 Special provisions – 601 604E Limited quantities – 5L Expected quantities – E1 Emergency Action Code – 3Y Tunnel Restriction Code – D/E
IMDG	IMDG – Class 3 Special Provisions – 601 640E Limited quantities – 5L Expected quantities – E1 IMDG EMS – F-E, S-D Stowage and Handling – Category A
ICAO/ IATA	ICAO/IATA– Class 3 IATA proper shipping name - EXTRACTS, AROMATIC, LIQUID Expected quantities – E1
Transport Label	

14.4 Packing group	III
14.5 Environmental Hazardous Substance / Marine Pollutant	
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

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

A Chemical Safety Assessment has not been carried out for this product.

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
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

Disclaimer:

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



Penny Price Aromatherapy/ Aroma Formulations
SAFETY DATA SHEET
According to Regulation (EC) No.1272/2008

contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.