







MATERIAL SAFETY DATA SHEET

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

Product Name	Dill Seed Oil (WHC 418)				
Biological Definition	The volatile oil steam distilled from the crushed, dried mature seeds of <i>Anethum graveolens</i> L.				
INCI Name	Anethum graveolens seed oil				
Synonyms & Trade Names	-				
Supplier	The Soap Kitchen, Unit 8 Caddsdow Industrial Park, Clovelly Road, Bideford, Devon, EX39 3DX, UK Tel: +44 (0)1237 420872 Email: info@thesoapkitchen.co.uk				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2383	FDA No.	§184.1282	CoE No.	42
CAS-No	8006-75-5	EC No.	289-790-8	EINECS No.	289-790-8

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xn+N; R10-38-43-50/53-65, S24-37-61-62			
Classification (EC 1272/2008)	UN-GHS: FL 3, ATO 5(3200), AH 1, SCI 2, SS 1, EH A1,C1 EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH A1,C1			
Label in accordance with (EC) No 1272/2008				
	GHS02	GHS07	GHS08	GHS09
Signal Word	Danger			
Contains	Limonene, carvone			
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	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P301/310 P331 Do NOT induce vomiting P273 Avoid release to the environment			
Supplementary Precautionary Statements	P391 Collect spillage			
PBT or vPvB according to Annex XIII	No			
Adverse physio-chemical properties	Combustible but will not self-ignite			
Adverse effects on human health	Can cause sensitisation or irritation in contact with skin			



MATERIAL SAFETY DATA SHEET

03. COMPOSITION/INFORMATION ON INGREDIENTS

68% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1

27% Carvone UN-GHGS: ATO 4 (1600); ATD 5 (3800); SCI 3; SS 1; EH A3

0.5% Phellandrenes UN-GHS: ATO 4 (1870)

0.2% para-Cymene UN-GHS: ATO 5(4750); SCI 3; EH A2,C2

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
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 and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.





MATERIAL SAFETY DATA SHEET

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	 
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Pale yellow
Odour	Aniseed, spicy
Relative Density	0.895 to 0.910 @ 20°C
Flash Point (°C)	57 c/c
Refractive Index	1.481 to 1.492 @ 20°C
Melting Point (°C)	No additional data available
Boiling Point (°C)	189 @ 760 mm Hg
Vapour Pressure	No additional data available
Solubility in Water @20°C	367.1 mg/l (est)
Auto-ignition temperature (°C)	No additional data available



MATERIAL SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute Oral toxicity LD50: orl-mse: 4040 mg/kg Dermal toxicity LD50 >5g/kg
Skin corrosion / irritation	Skin Corrosion Irritation Hazard Category 2 according to EC 1272/2008 guidelines
Serious eye damage / irritation	Not categorised under EC 1272/2008, nevertheless wear goggles whilst handling.
Respiratory or skin sensitisation	Skin Sensitiser Hazard Category 1 according to EC 1272/2008 guidelines
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not a reprotoxicant
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	Aspiration Hazard Category 3 according to EC 1272/2008 guidelines
Photo-toxicity	Not photo-toxic
Other Information	Flammable liquid Hazard Category 3 according to EC 1272/2008



MATERIAL SAFETY DATA SHEET


12. ECOLOGICAL INFORMATION

Ecotoxicity	Hazardous to the aquatic environment, long term hazard chronic Category 1.
Mobility	No additional data available
Persistence & Biodegradability	No additional data available
Bioaccumulation Potential	No additional data available
PBT Assessment Results	No additional data available
Precautions	Avoid discharge into the environment especially into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
------------------	--

14. TRANSPORT INFORMATION

Warning Icon		
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID (not viscous)	
UN No. Road	UN 1169	
ADR Class	Class 3	
Hazard No (ADR)	Data not found	
Hazchem Code	Data not found	
UN No. SEA	UN 1169	
IMDG Class	Class 3	



MATERIAL SAFETY DATA SHEET

IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	10.12.2015
Rev No/Repl, SDS Generated	2
Risk Phrases in Full	R10 Flammable R38 Irritating to skin R43 May cause sensitisation by skin contact R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 Harmful may cause lung damage if swallowed
Hazard Statements in Full	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation



MATERIAL SAFETY DATA SHEET

	H317 May cause an allergic skin reaction H410 Very toxic to aquatic life with long lasting effects
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

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.