







## MATERIAL SAFETY DATA SHEET

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

Product Name	Bergamot Essential Oil (Bergaptene Free)				WHC530
Biological Definition	Citrus Bergamia Peel Oil Expressed is an essential oil expressed from the epicarps of the Bergamot, Citrus bergamia risso, Rutaceae.				
INCI Name	Citrus Bergamia Peel Oil Expressed				
Synonyms & Trade Names	-				
Supplier	The Soap Kitchen Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	-				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	89957-91-5	EC No.	289-612-9	EINECS No.	289-612-9

### 02. HAZARDS IDENTIFICATION

Classification (1999/45)	The Full Text for all Hazard Statements displayed in Section 16.			
Classification (EC 1272/2008)	Flammable Liquid, Hazard Category 3. Skin Corrosion / Irritation Category 2. Eye Damage / Irritation Category 2. Sensitization - Skin Category 1. Aspiration Hazard Category 1. Hazardous to the Aquatic Environment - Acute Hazard Category 1. Hazardous to the Aquatic Environment - Long-term Hazard Category 1. 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. H319, Causes serious eye irritation.			
Label in accordance with (EC) No 1272/2008				
	GHS02	GHS07	GHS08	GHS09
Signal Word	Danger.			
Contains	-			
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. H319, Causes serious eye irritation. H410, Very toxic to aquatic life with long lasting effects.			

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Precautionary Statements	<p>P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.</p> <p>P233, Keep container tightly closed.</p> <p>P240, Ground/bond container and receiving equipment.</p> <p>P241, Use explosion-proof electrical, ventilating and lighting equipment.</p> <p>P242, Use only non-sparking tools.</p> <p>P243, Take precautionary measures against static discharge.</p> <p>P261, Avoid breathing vapour or dust.</p> <p>P264, Wash hands and other contacted skin thoroughly after handling.</p> <p>P272, Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273, Avoid release to the environment.</p> <p>P280, Wear protective gloves/eye protection/face protection.</p> <p>P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P331, Do not induce vomiting.</p> <p>P333/313, If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337/313, If eye irritation persists: Get medical advice/attention.</p> <p>P362, Take off contaminated clothing and wash before reuse.</p> <p>P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.</p> <p>P391, Collect spillage.</p> <p>P403/235, Store in a well-ventilated place. Keep cool.</p> <p>P405, Store locked up.</p> <p>P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.</p>
Supplementary Precautionary Statements	None
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

<b>Linalyl Acetate</b>	<b>38.39%</b>
CAS-No: 115-95-7; EC No.: 204-116-4	
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	
<b>Limonene</b>	<b>≤ 45.0%</b>
CAS-No: 5989-27-5; EC No.: 227-813-5	

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Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	
<b>Linalool</b> CAS No: 78-70-6 ; EC No: 201-134-4 Classification (EC 1272/2008) : Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402	<b>≤ 15.0%</b>
<b>β-Pinene</b> CAS No: 127-91-3 ; EC No: 20-872-5 Classification (EC 1272/2008) : Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317	<b>7.58%</b>
<b>γ-Terpinene (p-mentha-1,4-diene)</b> CAS No: 99-85-4 ; EC No: 202-794-6 Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp Tox. 1 –H304;	<b>7.56%</b>
<b>α-Pinene</b> CAS No: 80-56-8 ; EC No: 201-291-9 Classification (EC 1272/2008) : Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens.1, H317; Aquatic Acute 1, Aquatic Chronic 1, H410	<b>1.89%</b>
<b>Myrcene</b> CAS No: 123-35-3 ; EC No: 204-622-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412	<b>1.14%</b>
<b>Citral</b> CAS No: 5392-40-5 ; EC No: 226-394-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317	<b>1.5%</b>
<b>Geranyl Acetate</b> CAS-No.: 105-87-3 EC No.: 203-341-5 Classification (EC 1272/2008) Aquatic Chronic 2 - H411	<b>0.56%</b>
<b>Beta Caryophyllene</b> CAS-No.: 87-44-5 EC No.: 201-746-1 Classification (EC 1272/2008) : Asp. Tox. 1 - H304	<b>0.41%</b>
<b>P-Mentha-1,3-Diene</b> CAS: 99-86-5, EC: 202-795-1 Classification (EC 1272/2008) Asp. Tox. 1, H304, Acute Tox. 4, H302, Aquatic Chronic 2, H411, Flam. Liq. 3, H226	<b>0.22%</b>
<b>p-Cymene</b> CAS-No.: 99-87-6; EC No.: 202-796-7 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2, H411, Skin Irrit. 3 -H316	<b>0.22%</b>
<b>d,l-Limonene (isomer unspecified)</b> CAS-No.: 7705-14-8; EC No.: 231-732-0 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 1, H410	<b>0.17%</b>

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## 04. FIRST AID MEASURES

General Information	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Inhalation	Remove from exposure area to fresh air. Obtain medical advice immediately.
Ingestion	Immediately call a POISON CENTER or doctor/physician.
Skin Contact	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 05. FIRE-FIGHTING MEASURES

Extinguishing Media	CO2, Dry powder, Foam. Spray to base of flames.
Special Fire Fighting Procedures	In case of insufficient ventilation, wear suitable respiratory equipment.
Specific Hazards	In case of fire, Carbon monoxide, Unidentified organic compounds may be liberated.
Protective Measures in Fire	-

## 06. ACCIDENTAL RELEASE MEASURES



Personal Precautions	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
Environmental Precautions	Keep away from drains, surface and ground water, and soil.
Spill Clean Up Methods	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

## 07. HANDLING AND STORAGE

Usage Precautions	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Storage Precautions	Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	 	
Engineering Measures	Provide adequate ventilation Avoid static discharges in working area.	
Respiratory Equipment	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.	
Hand Protection	Avoid all skin contact. Wear chemical resistant gloves (PVC).	
Eye Protection	Avoid contact with eyes. Wear approved safety goggles.	
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.	

## 09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, pale yellow to yellow.
Colour	Pale yellow to yellow.
Odour	Characteristic citrus bergamot.
Relative Density	0.870 – 0.888 @ 20°C
Flash Point (°C)	54
Refractive Index	1.460 to 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.

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## 10. STABILITY AND REACTIVITY

Stability	Good stability under normal storage conditions.
Conditions to Avoid	Avoid extreme heat.
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents
Hazardous Decomposition Products	Not expected under normal temperature conditions and recommended use.

## 11. TOXOLOGICAL INFORMATION

Acute Toxicity	Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 13396.24 Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: 207373.27 Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: n/a Inhalation Route: n/a
Skin corrosion / irritation	Causes skin irritation (H315).
Serious eye damage / irritation	No additional data available
Respiratory or skin sensitisation	May cause an allergic skin reaction (H317).
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 (H304).
Photo-toxicity	No additional data available

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Other Information	No additional data available
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## 12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects.
Mobility	No additional data available.
Persistence & Biodegradability	No additional data available.
Bioaccumulation Potential	No additional data available.
PBT Assessment Results	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Precautions	No additional data available.

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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## 14. TRANSPORT INFORMATION

Warning Icon	 
Proper Shipping Name	Extracts, Aromatic, Liquid
UN No. Road	UN 1169
ADR Class	3 Flammable Liquid.
Hazard No (ADR)	No additional data
Hazchem Code	No additional data

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UN No. SEA	UN 1169
IMDG Class	3 Flammable Liquid.
IMDG Pack Gr.	III
EMS	No additional data
UN No. AIR	UN 1169
Air Class	3 Flammable Liquid.
Air Pack Gr.	III

### **15. REGULATORY INFORMATION**

EU Directives	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.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).
Approved Code of Practice	No additional data
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

### **16. OTHER INFORMATION**

Revision Date	12.07.2018
Rev No/Repl, SDS Generated	5
Risk Phrases in Full	-



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Hazard Statements in Full	H226 Flammable liquid and vapour. 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. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects..
Other Information	-

**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.