



## MATERIAL SAFETY DATA SHEET

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





1:1-Product Identifiers:					
Product name		Organic Bergamot FCF Oil (Bergaptene free) WHC541			
Biological Definition		Citrus Aurantium Bergamia Fruit Oil is the psoralen-free volatile oil obtained from the fruit of <i>Citrus aurantium</i> L. var. <i>bergamia</i> , <i>Rutaceae</i> ;			
INCI Name		Citrus Aurantium Bergamia Fruit Oil.			
Synonyms & Trade Names		-			
Reach Registration Number		-			
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	8007-75-8	EC No.	616-915-9	EINECS No.	616-915-9

1:2 – Relevant Identified Uses of the substance or mixture and uses advised against:	
Identified Uses	Flavour and Fragrance.
1:3 – Details of the supplier of the Safety data sheets.	
Company Name	The Soap Kitchen Unit 8 Caddsdawn Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk

### 02. HAZARDS IDENTIFICATION

2:1 Classification of the substance or mixture	
Classification (EC 1272/2008)	The full Text for all hazards are displayed in section 16 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. H411 Toxic to aquatic life with long lasting effects.
2.2 – Label Elements	

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Label Elements in accordance with (EC) No 1272/2008	<div>GHS02</div>  <div>GHS07</div>  <div>GHS08</div>  <div>GHS09</div> 
<b>2:3 - Other hazards</b>	
Signal Word	Danger
Contains	-
Hazard Statements	<p>H226 Flammable liquid and vapour.  H302 Harmful if swallowed.  H304 May be fatal if swallowed and enters airways.  H314 Causes severe skin burns and eye damage.  H317 May cause an allergic skin reaction.  H410 Very toxic to aquatic life with long lasting effects.</p>
Precautionary Statements	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  P241 Use explosion-proof electrical / ventilating / lighting equipment.  P262 Do not get in eyes, on skin or on clothing.  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 or doctor/physician.  P331 Do NOT induce vomiting.  P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  P405 Store locked up.  P501 Dispose of contents/container according to the local regulations.P405, Store locked up.  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

3:1 - Substances

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Substances	No additional data available
3:2 - Mixtures	
Mixtures	<p><b>&lt;39.0% Limonene</b> CAS-No.: 5989-27-5 EC No.: 227-813-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Irrit 2 – H315 Asp Tox. 1 – H304, Skin Sens. 1 – H317 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410</p> <p><b>&lt;30.0% Linalyl Acetate</b> CAS: 115-95-7, EINECS: 204-116-4</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315; Eye Irrit. 2 - H319</p> <p><b>&lt;12.0% Linalool</b> CAS-No.: 78-70-6 EC No.: 201-134-4</p> <p>Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402</p> <p><b>&lt;7.0% Beta-pinene</b> CAS-No.: 127-91-3 EC No.: 204-872-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317</p> <p><b>&lt;7.0% Y-terpinene</b> CAS-No 99-85-4, EC 202-794-6</p> <p>Classification (EC 1272/2008); Flam. Liq. 3 – H226, Asp Tox. 1 –H304</p> <p><b>&lt;1.0% Myrcene (7-methyl-3-methylenoocta-1,6-diene)</b> CAS-No.: 123-35-3 EC No.:204-622-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Asp. Tox. 1 - H304</p> <p><b>&lt;1.0% Sabinene</b> CAS-No.: 123-35-3 EC No.:204-622-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226</p> <p><b>&lt;1.0% Alpha-pinene</b> CAS-No.: 80-56-8 EC No.: 201-291-9</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>

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## 04. FIRST AID MEASURES

4:1 – Description of first aid measures	
Inhalation	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth and drink abundant water to dilute substance. Avoid vomiting, risk of aspiration!
Skin Contact	Remove contaminated clothes. Wash affected areas with copious amounts of water.
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 immediately. Continue to rinse.
4:2 – Most important symptoms and effects, both acute and delayed	
Symptoms and effects	<b>Symptoms:</b> <b>Inhalation:</b> Can cause slight headache <b>Contact:</b> can cause bloodshot eyes – can cause slight skin rash. <b>Acute and delayed effects :</b> no post disorder effects are reported.
4:3 – Indication of any immediate medical attention and special treatment needed	
Special requirements	Immediate medical assistance : see point 4.1 Immediate / special treatment : see point 4.1 First aid specific means: eye wash fountain, safety shower should be available in the work area.

## 05. FIRE-FIGHTING MEASURES

5:1 - Extinguishing Media	
Suitable extinguishing Media	Foam, Carbon dioxide or dry powder.
Unsuitable extinguishing Media-DO NOT USE	No additional data available
5:2 - Special Hazards arising from substance or mixture	
Specific hazards	Vapours may form explosive mixture with air – in case of fire, the following can be released: Carbon monoxide, Carbon dioxide, smoke, soot

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## 5:3 – Advice for firefighters

### Special firefighting procedures/ protective actions.

Containers close to fire should be removed or cooled with water. Use chemical protection clothing and self-contained breathing apparatus.

## 06. ACCIDENTAL RELEASE MEASURES

### 6:1 - Personal Precautions, protective equipment and emergency procedures.

#### Personal precautions

For non emergency personnel: in an emergency (i.e. unintentional important release of the product in enclosed space) respiratory protection (Gas filter A, Colour code brown: consider the maximum duration for wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear - use adequate protections solvent resistant: security shoes, bodysuit, gloves and protective goggles (see point 8).

For emergency responders: as per non emergency personnel.

Emergency procedures: remove any ignition source and ensure adequate ventilation in working areas following accidental releases.

### 6:2 - Environmental Precautions

#### Environmental Precautions

Keep away from sewerage, surface water and groundwater. Do not allow to enter sewerage system.

### 6:3 – Methods and materials for containment and cleaning up

#### Spill Clean Up Methods

Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to point 13 for the appropriate methods of waste treatment.

### 6:4 – Reference to other sections

#### Reference to other sections

Section 4- First aid measures.  
Section 8 – Exposure controls/ personal protection for further information on personal precautions,  
Section 13 – Disposal considerations for further information on waste treatment.

## 07. HANDLING AND STORAGE

### 7:1 – Precautions for safe handling


#### Usage precautions

**Safe handling:** during handling keep original container closed - avoid contact with skin and eyes – wear adequate protective gloves protection and eye/face protection - avoid any sources of

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	<p>ignition - avoid exposing to high temperature during processing - maintain adequate local and general ventilation where product is handled.</p> <p><b>Hygiene at work:</b> do not ingest or apply to the skin as such - no smoking - remove contaminated clothing – good personal washing routines should be followed - if at risk of contamination, foods, beverages and other articles of consumption must not be stored or consumed at the work areas.</p>
<b>7:2 – Conditions for safe Storage including any incompatibilities</b>	
<b>Storage Precautions</b>	<p><b>Container:</b> to be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protected from day-light. • take note: the container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium or long term warehousing.</p> <p><b>Conditions:</b> stored in a dry, aerated place, away from any heat source and ignition source.</p> <p><b>Temperature:</b> from 5 °C and 20 °C.</p>
<b>Suitable Packaging</b>	No additional data available
<b>7:3 – Specific end use (s)</b>	
<b>End Uses</b>	Use as odour agent / flavouring agent - the information of this section are not related to the use of the product in combination with any other material or any other process altering its characteristics.

### 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8:1 – Control parameters</b>	
<b>Components with workplace control parameters</b>	No additional data available
<b>8:2 – Exposure controls</b>	
<b>Protective Equipment</b>	
<b>Process conditions</b>	Provide eyewash station.

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Engineering Measures	Where appropriate, use closed system to transfer and process this material - if appropriate, isolate mixing rooms and other areas where this material is used or openly handled - maintain these areas under negative air pressure relative to the rest of the plant.
Respiratory Equipment	Not necessary in adequate local with general ventilation - avoid breathing vapours.
Hand Protection	Suitable gloves tested to EN374 (should be checked regularly) - always use with clean, dry hands.
Eye Protection	Protective goggles with built-in-frame tested to EN166 (should be checked regularly).
Other Protection	Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal protection	Protective work clothing solvent resistant (should be checked regularly).
Skin protection	Avoid contact with skin. Wear suitable gloves.
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 yellowish / yellow.
Odour	Citrus, bergamot.
Relative Density	0.863 - 0.873 @ 20°C
Flash Point (°C)	Approx. 57°C
Refractive Index	1.458 - 1.468 @ 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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## 9:2 - Other information

Other Information	No additional data available.
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## 10. STABILITY AND REACTIVITY

### 10:1- Reactivity

Reactivity	Substance not reactive with water - substance not reactive if used according to storage & handling conditions & identified uses (see subsection 1.2).
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### 10:2 - Chemical stability

Stability	Substance stable if used according to storage & handling conditions & identified uses (see subsection 1.2).
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### 10:3 - Possibility of hazardous reactions

Possible hazardous reactions	None if used according to storage & handling conditions & identified uses (see subsection 1.2).
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### 10:4 - Conditions to avoid

Conditions to Avoid	Avoid exposure to heat
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### 10:5 – Incompatible materials

Incompatible materials	Strong oxidizers.
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### 10:6 - Hazardous Decomposition Products

Hazardous Decomposition Products	No known hazardous decomposition products under recommended storage & handling conditions - in case of combustion: carbon monoxide (CO), carbon dioxide (CO2).
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## 11. TOXOLOGICAL INFORMATION

### 11:1 Information on toxicological effects

Acute Toxicity	LD50 11.52 g/kg.
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Skin corrosion / irritation	Hazard statement: H315 causes skin irritation.
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Serious eye damage / irritation	Not irritating.
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Respiratory or skin sensitisation	Hazard statement: H317 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	Hazard statement: H304 may be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

### **12. ECOLOGICAL INFORMATION**

<b>12:1- Toxicity</b>	
Ecotoxicity	<p>Aquatic life: hazard statement: H410 very toxic to aquatic life with long lasting effects.</p> <p>Algae/aquatic plants: EC50 6.2 mg/l (48h) calculated value [source RIFM].</p> <p>Fish/aquatic invertebrates: No additional data available.</p> <p>PNECs: No additional data available.</p>
<b>12:2 - Persistence &amp; degradability</b>	
Persistence & degradability	This substance to be considered as a readily biodegradable substance; based on its ready biodegradability, oil does not fulfil the criteria for persistence.
<b>12:3 - Bioaccumulative Potential</b>	
Bioaccumulative Potential	Hazard statement: H410 very toxic to aquatic life with long lasting effects.
<b>12:4 – Mobility in soil</b>	


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Mobility	This substance is considered as a readily biodegradable NCS. Based on the ready biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH Annex IX.
12:5 – Results of PBT and vPvB assessment	
PBT Assessment Results	This substance is not classified as: PBT or vPvb / CMR.
12:6 Other adverse effects	
Precautions	No additional data available


## 13. DISPOSAL CONSIDERATIONS

13:1 Waste treatment methods	
Disposal Methods	The containers used for this product must completely empty before disposal. Dispose product and/or contaminated packaging in accordance with federal, state and local environmental control regulations - disposal through the waste water is illegal.

## 14. TRANSPORT INFORMATION

Warning Icon	
14:1 – UN Number	
UN No Road – ADR/RID/ADN	1169
UN No Sea- IMDG	1169
UN No Air – IATA	1169
14:2 – UN proper shipping name	
Road – ADR/RID/ADN	Extracts, Aromatic, Liquid.
Sea- IMDG	Extracts, Aromatic, Liquid.

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Air - IATA	Extracts, Aromatic, Liquid.
<b>14:3 – Transport Hazard class (es)</b>	
Road – ADR/RID/ADN	3 Flammable Liquid.
Sea- IMDG	3 Flammable Liquid.
Air- IATA	3 Flammable Liquid.
<b>14:4 - Packaging group</b>	
Road – ADR/RID/ADN	III
Sea- IMDG	III
Air - IATA	III
<b>14:5 – Environmental hazard</b>	
Environmentally hazardous substance/ marine pollutant.	Environmentally Hazardous Substance/Marine Pollutant. 
<b>14:6 - Special precautions for user</b>	
Precautions	No additional data available
<b>14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code</b>	
	No additional data available

### **15. REGULATORY INFORMATION**

**15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.**

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EU Directives	Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> 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) No1488/94 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.
<b>15:2 Chemical Safety assessment</b>	
Assessment information	A chemical assessment for this product has not been carried out.

### **16. OTHER INFORMATION**

Revision Date	05.12.2016
Rev No/Repl, SDS Generated	3
Change Description	Updated to new MSDS format
Changes made by	K Tatton
Review Date	05.12.2018
Risk Phrases in Full	None
Hazard 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.

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	H410 very toxic to aquatic life with long lasting effects.
Other Information	None

**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.