



MATERIAL SAFETY DATA SHEET

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

1:1-Product Identifiers:					
Product name		Orange oil sweet WHC156			
Biological Definition		Citrus Aurantium Dulcis Peel Oil Expressed is an essential oil expressed from the fresh epicarps of the Sweet Orange, <i>Citrus aurantium L. var. dulcis L. (syn: Citrus sinensis), Rutaceae</i> .			
INCI Name		Citrus Aurantium Dulcis Peel Oil Expressed			
Synonyms & Trade Names		-			
Reach Registration Number		-			
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	8028-48-6	EC No.	232-433-8	EINECS No.	232-433-8





1:2 – Relevant Identified Uses of the substance or mixture and uses advised against:	
Identified Uses	No additional data available
1:3 – Details of the supplier of the Safety data sheets.	
Company Name	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

02. HAZARDS IDENTIFICATION

2:1 Classification of the substance or mixture	
Classification (EC 1272/2008)	Physical and Chemical Hazards Flam. Liq. 3 - H226 Human health Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp. Tox. 1 - H304 Environment Aquatic Chronic 1 - H410
2:2 – Label Elements	



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Label Elements in accordance with (EC) No 1272/2008	   
2:3 - Other hazards	
Signal Word	Danger
Contains	Alpha pinene natural, a-terpineol (p-menth-1-en-8-ol), CITRAL, Citronellal, Decanal, d-LIMONENE, Linalool, Myrcene (7-methyl-3-methyleneocta-1,6-diene), Octanal
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	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P262 Do not get in the eyes, on skin, or on clothing. P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Supplementary Precautionary Statements	P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash ... thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P302+352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see ... on this label). P331 Do NOT induce vomiting. P332+313 If skin irritation occurs: Get medical advice/attention. P333+313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P370+378 In case of fire: Use ... for extinction. P391 Collect spillage.



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	P403+235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container to ...
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	
Substances	87.0 - 97.0% D-Limonene CAS-No: 5989-27-5 EC No.: 227-813-5 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
	1.0 – 5.0% α-Pinene Natural CAS-No: 80-56-8 EC No.: 201-291-9 Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304
	1.0 – 5.0% α-Terpineol (p-menth-1-en-8-ol) CAS-No: 98-55-5 EC No.: 202-680-6 Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319
	1.0 – 5.0% Citral 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
	1.0 – 5.0% Citronellal CAS-No: 106-23-0 EC No.: 203-376-6 Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411
	1.0 – 5.0% Decanal CAS-No: 112-31-2 EC No.: 203-957-4



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	Classification (EC 1272/2008): Skin Irrit. 2 - H315, Aquatic Chronic 3 - H412
	1.0 – 5.0 Linalool CAS-No: 78-70-6 EC No.: 201-134-4 Classification (EC 1272/2008): Skin Irrit. 2 - H315
	1.0 – 5.0 % Myrcene (7-methyl-3-methylenoocta-1,6-diene) CAS-No: 123-35-3 EC No.: 204-622-5 Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Asp. Tox. 1 - H304
	1.0 – 5.0 % Octanal CAS-No: 124-13-0 EC No.: 204-683-8 Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412
3:2 - Mixtures	
Mixtures	No additional data available

04. FIRST AID MEASURES

4:1 – Description of first aid measures	
Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Seek medical attention.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING!
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention if irritation or symptoms persist.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention. Continue to rinse.
4:2 – Most important symptoms and effects, both acute and delayed	
Symptoms and effects	No additional data available



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4:3 – Indication of any immediate medical attention and special treatment needed

Special requirements

No additional data available.

05. FIRE-FIGHTING MEASURES

5:1 - Extinguishing Media

Suitable extinguishing Media

Foam, Carbon dioxide or dry powder, spraying extinguishing media to base of flames.

Unsuitable extinguishing Media-DO NOT USE

Do not use direct Water jet on burning material.

5:2 - Special Hazards arising from substance or mixture

Specific hazards

When heated to decomposition, it emits acrid smoke as well as carbon monoxide and carbon dioxide.

5:3 – Advice for firefighters

Special firefighting procedures/ protective actions.

Containers close to fire should be removed or cooled with water. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid inhalation of vapours.

06. ACCIDENTAL RELEASE MEASURES

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

Personal precautions

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear protective clothing as described in Section 8 of this safety data sheet.

6:2 - Environmental Precautions

Environmental Precautions

Avoid discharge into drains, water courses or onto the ground. Prevent further spillage if safe.

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

Spill Clean Up Methods

Absorb spillage with non-combustible, absorbent material. For waste disposal, see section 13.

6:4 – Reference to other sections







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Reference to other sections	Section 8 – Exposure controls/ personal protection for further information on personal precautions, Section 13 – Disposal considerations for further information on waste treatment.
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07. HANDLING AND STORAGE

7:1 – Precautions for safe handling	
Usage precautions	Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing. Keep away from heat, sparks and open flame
7:2 – Conditions for safe Storage including any incompatibilities	
Storage Precautions	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.
Suitable Packaging	No additional data available
7:3 – Specific end use (s)	
End Uses	No additional data available

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8:1 – Control parameters	
Components with workplace control parameters	No additional data available
8:2 – Exposure controls	
Protective Equipment	   
Process conditions	No additional data available.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Self-contained breathing apparatus.



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Hand Protection	Chemical resistant gloves (PVC).
Eye Protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash hands at the end of each work shift and before eating, smoking and using the toilet.
Personal protection	Avoid contact with skin and eyes. Avoid inhalation of vapours.
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	Mobile Liquid, orange to orange-red.
Colour	Orange to orange red.
Odour	Characteristic
Relative Density	0.838 - 0.850 @ 20°C
Flash Point (°C)	48
Refractive Index	1.468 - 1.480 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	176 - 180
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	
Other Information	No additional data available.



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10. STABILITY AND REACTIVITY

10:1- Reactivity	
Reactivity	No additional data available.
10:2 - Chemical stability	
Stability	Stable under the recommended handling and storage conditions.
10:3 - Possibility of hazardous reactions	
Possible hazardous reactions	No additional data available
10:4 - Conditions to avoid	
Conditions to Avoid	Avoid heat, sparks and open flame
10:5 – Incompatible materials	
Incompatible materials	Strong oxidising agents, strong acids, strong alkalis.
10:6 - Hazardous Decomposition Products	
Hazardous Decomposition Products	No additional data available

11. TOXOLOGICAL INFORMATION

11:1 Information on toxicological effects	
Acute Toxicity	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Skin corrosion / irritation	May cause sensitisation by skin contact.
Serious eye damage / irritation	Spray and vapour in the eyes may cause irritation and smarting.
Respiratory or skin sensitisation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Germ Cell Mutagenicity	No additional data available.



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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	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12:1- Toxicity	
Ecotoxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
12:2 - Persistence & degradability	
Persistence & degradability	No additional data available.
12:3 - Bioaccumulative Potential	
Bioaccumulative Potential	No additional data available.
12:4 – Mobility in soil	
Mobility	No additional data available.
12:5 – Results of PBT and vPvB assessment	
PBT Assessment Results	No additional data available.



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12:6 Other adverse effects

Precautions

No additional data available.

13. DISPOSAL CONSIDERATIONS

13:1 Waste treatment methods

Disposal Methods

Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Warning Icon



14:1 – UN Number

UN No Road – ADR/RID/ADN

1993

UN No Sea- IMDG

1993

UN No Air –IATA

1993

14:2 – UN proper shipping name

Road – ADR/RID/ADN

FLAMMABLE LIQUID , N.O.S (Terpene Hydrocarbons).

Sea- IMDG

FLAMMABLE LIQUID , N.O.S (Terpene Hydrocarbons).

Air - IATA

FLAMMABLE LIQUID , N.O.S (Terpene Hydrocarbons).

14:3 – Transport Hazard class (es)

Road – ADR/RID/ADN


3

Sea- IMDG

3



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Air- IATA	3
14:4 - Packaging group	
Road – ADR/RID/ADN	III
Sea- IMDG	III
Air - IATA	III
14:5 – Environmental hazard	
Environmentally hazardous substance/ marine pollutant.	 Environmentally Hazardous Substance/Marine Pollutant
14:6 - Special precautions for user	
Precautions	EMS F-E-S-D Hazard No. (ADR) 30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid. Tunnel Restriction Code (D/E)
14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code	
	Packed and transferred according to transport regulations.

15. REGULATORY INFORMATION

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



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	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.
15:2 Chemical Safety assessment	
Assessment information	A chemical assessment for this product has not been carried out.

16. OTHER INFORMATION

Revision Date	15.07.2016
Rev No/Repl, SDS Generated	3
Change Description	Updated to new MSDS format
Changes made by	K Tatton
Review Date	15.07.2018
Risk Phrases in Full	None.
Hazard Statements in Full	H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H412 Harmful to aquatic life with long lasting effects. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information	Workplace Exposure Limits EH40. CHIP for everyone HSG 108



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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.