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Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Orange Oil Sweet Organic			
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> . It contains D-limonene (up to 90%), decanaldehyde, methyl anthranilate, linalool, and terpineol			
INCI Name		Citrus Aurantium Dulcis Peel Oil Expressed			
Synonyms & Trade Names					
CAS-No	8028-48-6	EC No.	232-433-8	EINECS No.	232-433-8
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data available					
1.3 Details of the supplier of the safety data sheet					
NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK.					
1.4 Emergency Tel. No.		0845 310 8066			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture			
The Full Text for all Hazard Statements is Displayed in Section 16.			
Classification (EC 1272/2008)			
Physical and Chemical Hazards: Flam. Liq. 3 (H226)			
Human health:	Asp. Tox. 1 – (H304) Skin Sens. 1 (H317) Skin Irrit. 2 (H315)		
Environment :	Aquatic Chronic 1 (H410)		
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS07	GHS02	GHS08	GHS09
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	
H224	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 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.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...
2.3 Other Hazards	
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
60.0 - 100.0% 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	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% a-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	

<p>1.0 – 5.0% Citral CAS-No: 5392-40-5 EC No.:226-394-6</p> <p>Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317</p>
<p>1.0 – 5.0% Citronellal CAS-No: 106-23-0 EC No.: 203-376-6</p> <p>Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411</p>
<p>1.0 – 5.0% Decanal CAS-No: 112-31-2 EC No.: 203-957-4</p> <p>Classification (EC 1272/2008): Skin Irrit. 2 - H315, Aquatic Chronic 3 -H412</p>
<p>1.0 – 5.0 Linalool CAS-No: 78-70-6 EC No.: 201-134-4</p> <p>Classification (EC 1272/2008): Skin Irrit. 2 - H315</p>
<p>1.0 – 5.0 % Myrcene (7-methyl-3-methyleneocta-1,6-diene) 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>1.0 – 5.0 % Octanal CAS-No: 124-13-0 EC No.: 204-683-8</p> <p>Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412</p>

4. 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	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguishing media: Carbon dioxide (CO ₂). Foam. Unsuitable extinguishing media: Water.	
5.2 Special hazards arising from the product	
When heated to decomposition, it emits acrid smoke as well as carbon monoxide and carbon dioxide.	
5.3 Advice for firefighters	
Wear suitable equipment for self protection. Wear suitable respiratory equipment when necessary.	

6. ACCIDENTAL RELEASE MEASURES


6.1 Personal precautions, protective equipment and emergency procedures	
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
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Dispose of in accordance with current laws and regulations.
6.4 Reference to other sections
Wear protective clothing as described in Section 8 of this safety datasheet.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
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
Keep product tightly closed in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light.
7.3 Specific end use(s)
No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	No additional data available.
Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	If ventilation is insufficient, use respiratory equipment.
Hand Protection	Wear Chemical resistant gloves (PVC) according to EN374.
Eye Protection	Wear approved safety goggles according to EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Mobile Liquid
Colour	orange to orange red
Odour	Characteristic

Relative Density	0.830 - 0.850 @ 20°C
Flash Point (°C)	48
Refractive Index	1.468 - 1.490 @ 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	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Stable under the recommended handling and storage conditions.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No hazardous reactions known at proper usage and handling.	
10.4 Conditions to Avoid	
Avoid heat, sparks and open flame.	
10.5 Incompatible materials	
Avoid strong acids, alkalis and oxidising agents.	
10.6 Hazardous Decomposition Products	
No dangerous decomposition products known.	

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. May cause discomfort if swallowed.
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.
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	
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
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Collect and dispose of waste product in accordance with local authority guidelines using a hazardous chemical disposal company. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number
UN No. Road 1993
UN No. SEA 1993
UN No. AIR 1993
14.2 UN proper shipping name
FLAMMABLE LIQUID , N.O.S (Terpene Hydrocarbons).
14.3 Transport hazard class(es)
ADR/RID/ADN Class: 3 (Flammable Liquid) IMDG Class: 3 (Flammable Liquid) ICAO Class/Division: 3 (Flammable Liquid)
Transport Labels

14.4 Packing group
ADR/RID/ADN Packing group III (Substances presenting low danger) IMDG Packing group III (Substances presenting low danger) ICAO Packing group III (Substances presenting low danger)
14.5 Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant


14.6 Special precautions for user	
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 MARPOL73/78 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	
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG(108). <u>EU Legislation</u> 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	
No additional information available.	

16. OTHER INFORMATION

Hazard and/or Precautionary 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	None
Revision Date	06/10/2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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