

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Orange Oil Sweet				
Biological Definition	Citrus Aurantium Dulcis Peel Oil Expressed is an essential oil expressed from the fresh epicarps of the Sweet Orange, Citrus aurantium L. var. dulcis L. (syn: Citrus sinensis), Rutaceae.				
INCI Name	Citrus Aurantium Dulcis Peel Oil Expressed				
Synonyms Trade Names	-				
CAS Number	8028-48-6	EC Number	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

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The full text for all hazard statements are displayed in Section 16.

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

GHS07

GHS02

GHS08

GHS09

None



Signal Word

Danger

Contains

Alpha-Pinene, Alpha-Terpineol, Citral, Citronellal, Decanal, d-Limonene, Linalool, Myrcene, 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 eyes, on skin, or on clothing.
P301 IF SWALLOWED:
P310 Immediately call a POISON CENTER or doctor/physician.
P303 IF ON SKIN (or hair):
P361 Remove/Take off immediately all contaminated clothing.
P350 Gently wash with plenty of soap and water.

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 IF ON SKIN:
P352 Wash with plenty of soap and water.
P321 Specific treatment (see... on this label).
P331 Do NOT induce vomiting.
P332 If skin irritation occurs:
P313 Get medical advice/attention.
P333 If skin irritation or rash occurs:
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370 In case of fire:
P378 Use... for extinction.
P391 Collect spillage.
P403 Store in a well-ventilated place.
P235 Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to...

2.3 Other Hazards

PBT or PvB 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

3.2 Mixtures

95 - 97 % d-Limonene

CAS No: 5989-27-5 EC No: 227-813-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410, Skin Irrit. 1 - H410, Skin Sens. 1 - H317

1 - 5 % Alpha Pinene	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		
1 - 5 % Alpha-Terpineol	CAS No: 98-55-5	EC No: 202-680-6
Classification (EC 1272/2008): Aquatic Acute 2 - H401, Eye Irrit. 1 - H319, Skin Irrit 2 - HH315, Acute Tox. 5 - H303, Flam. Liq. 4 - H227		
1 - 5 % Citral	CAS No: 5392-40-5	EC No: 226-394-6
Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317		
1 - 5 % 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 - 5 % Decanal	CAS No: 112-31-2	EC No: 203-872-5
Classification (EC 1272/2008): EDI 2-EH C3;H319-H412		
1 - 5 % Linalool	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		
1 - 5 % Myrcene	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		
1 - 5 % Octanol	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		

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 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.
41 Ingestion:	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING!
41 Eye:	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.
41 Skin:	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention if irritation or symptoms persist.

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

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. 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

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

6.3 Methods and material for containment and clearing up

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

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

07. 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 and incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No additional data available.

8.2 Exposure controls

Protective Equipment

Goggles

Gloves

Respirator

Overalls

None



Process Conditions:	Provide eyewash station.
Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	Avoid inhalation of vapour.
Hand Protection:	Avoid skin contact. Wear protective gloves.
Eye Protection:	Wear protective goggles to prevent eye contact.
Other Protection:	Slip proof shoes may be worn in event of spillages.
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection:	Avoid inhalation of vapour and contact with skin and eyes.
Skin Protection	Wear overalls or laboratory coat to protect from skin contact.
Environmental Exposure Controls:	Avoid discharging into drainage water.

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.
Flash Point:	48
Odour:	Characteristic
Relative Density:	0.838 - 0.850 @ 20°C
Refractive:	1.468 - 1.480 @ 20°C
Melting Point:	No additional data available.
Boiling:	176 - 180
Vapour:	No additional data available.
Solubility:	No additional data available.
Auto Ignition:	No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical Stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

Hazardous PolymerisationUnknown.

10.4 Conditions to avoid

Avoid heat, sparks ad open flame.

10.5 Incompatible materials

Avoid strong acids, alkalis and oxidising agents.

10.6 Hazardous Decomposition Products

No additional data available.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxological effects

Acute Toxicity: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Respiratory or skin sensitisation: In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Skin corrosion/irritation: May cause sensitisation by skin contact.

Serious Eye damage/irritation: Spray and vapour in the eyes may cause irritation and smarting.

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.

Photo-toxicity: No additional data available.

Aspiration hazard: 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

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1993
Sea:	1993
Air:	1993

14.2 UN Prpoer shipping name

FLAMMABLE LIQU

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

Cl. 3_140_s FLAMMABLE LIQU FLAMMABLE LIQU



14.4 Packing group

ADR/RID/ADN Packing group III IMDG Packing group III ICAO Packing group III

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant

Umwelt_140 FLAMMABLE LIQU FLAMMABLE LIQU



14.6 Special precautions for users

EMS F-E-S-DHazard 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 flash-point, or self heating liquid.Tunnel Restriction Code (D/E)

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

Packed and transferred according to transport regulations.

15. REGLATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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 or precaution	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:	4/1/2022
Reason:	New SDS
Revision Number:	2

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