



Certificate of Analysis

Description: Clementine Organic
Batch No: 4311108
Best Before End: January 2021

Analytical Data

Appearance: Mobile oily clear liquid yellow orange to orange red
Odour: Characteristic
Relative density @ 20°C (g/ml): 0.843
Optical rotation @ 20° Deg. C: + 97.60
Refractive Index 20°C 1.472
Peroxide Value (Meq/kg): 10.0
As received by our supplier



ALLERGEN STATEMENT

PRODUCT NAME CLEMENTINE OIL ORGANIC

Compounds	C.A.S	% Natural	% Synthetic	% Total
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-	-	-
Amyl cinnamic alcohol	101-85-9	-	-	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-	-	-
Anisyl alcohol	105-13-5	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Cinnamic alcohol	104-54-1	-	-	-
Cinnamic aldehyde	104-55-2	-	-	-
Citral	5392-40-5	-	-	-
Citronellol	106-22-9	-	-	-
Coumarin (2p-1-benzopyran-2-one	91-64-5	-	-	-
D'limonene	5989-27-5	95%	-	-
Eugenol	97-53-0	-	-	-
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	-	-	-
Lyrar (Hydroxymethylpentyl cyclohexene carbalde)	31906-04-4	-	-	-
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Alpha-Iso-methyl Ionone	127-51-5	-	-	-
Linalool	78-70-6	0.5%	-	-
Methyl heptine carbonate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4	-	-	-
p-tert-Butyl-alpha-methylhydrocinnamic a	80-54-6	-	-	-
Tree moss	68648-41-9	-	-	-



IFRA CONFORMITY STATEMENT
CLEMENTINE OIL ORGANIC

We hereby certify that the below mentioned product is in compliance with the standards of the International Fragrance Association (IFRA 47th amendment / published June 2013, provided it is used at a maximum concentration level as set out by IFRA.

The IFRA Standards regarding use restriction are based on safety assessments by the panel of experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual fragrance ingredients is made according to the safety standards contained in the relevant sections of the IFRA Code of Practice.

It is the ultimate responsibility of the customer to ensure the safety of the final product (containing this fragrance) by further testing if needed.

Material Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/COMPANY

Product Name: Clementine Oil Organic
Company Name: Madar Corporation
19 Sandleheath Industrial Estate
Fordingbridge
Hampshire SP6 1PA
Telephone Number: 01425 655555
Fax Number: 01425 658182

2. HAZARDS IDENTIFICATION:

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 Acute 1 - H400; Aquatic Chronic 1 - H410

Classification (1999/45/EEC) Xn; R65. Xi; R38. R43. N; R50/53. R10.
The full text for all R Phrases and Hazard Statements are displayed in Section 16
Human Health Irritating to skin and may cause lung damage if swallowed.
Environment The product contains a substance which may cause long term adverse effects in the aquatic environment.
Physical This product is flammable

Label Elements

Contains Limonene
Label in Accordance with (EC) No. 1272/2008



Signal Word

Danger

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

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.
P331 Do NOT induce vomiting.
P391 Collect spillage.

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed. □
P240 Ground/bond container and receiving equipment. □
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P272 Contaminated work clothing should not be allowed out of the workplace.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling. □
P321 Specific treatment (see medical advice on this label).
P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. □
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.

P403+235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container to local regulations

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Name	CAS	Einecs	Range (%)	Classification according to 67/548/EEC	Classification according to EC 1272/2008 (CLP)
Limonene	5989-27-5	227-813-5	60-100	Xn-N; R10-R38-R43-R65-R50/R53	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Linalool	78-70-6	201-134-4	<1	Xi ; R38	Skin Irrit. 2 - H315

The full text for all R-Phrases and Hazard Statements are displayed in Section 16

4. FIRST-AID MEASURES

General Information: In case of accident or if you feel unwell, seek medical advice immediately and show label where possible.
Inhalation: Move the exposed person to fresh air at once. Seek medical attention.
Ingestion: Immediately rinse mouth and provide fresh air. DO NOT INDUCE VOMITING! Get medical attention immediately!
Skin contact: Remove contaminated clothing. Wash the skin immediately with soap and water. Seek medical attention if irritation or symptoms persist.
Eye contact: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use as appropriate: CO2, dry powder or foam type extinguishers, spraying extinguishing media to base of flames.
Unsuitable Extinguishing Media: Do not use water jet.
Unusual Fire & Explosion Hazards: Closed containers may build up pressure at elevated temperatures.
Specific Hazards: Vapours form explosive mixture with air - in case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO2), smoke, soot.
Special Fire Fighting Procedures: Standard procedure for chemical fires - spray extinguishing media to base of flames. Avoid vapour inhalation.
Protective Equipment For Fire-Fighters: Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES:

Personal Safety 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, bofysuit, gloves and protective goggles (see point 8) As per non emergency personnel: remove any ignition source and ensure adequate ventilation in working areas following accidental release.
Environmental Safety Precautions: Avoid discharge into drains, water courses or onto the ground. Prevent further spillage if safe.
Methods & Material For Containment and Cleaning Up: Keep away from heat and use non combustible absorbing sawdust (sand, specific binder).

7. HANDLING AND STORAGE

Precautions for Safe Handling: During handling keep original container closed - avoid contact with skin and eyes - wear adequate protective gloves and eye/face protection - avoid any sources of ignition - avoid exposing to high temperatures during processing - maintain adequate local and general ventilation where product is handled. 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.
Conditions For Safe Storage, Including Any Incompatibilities: 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. Store in a dry, aerated place, away from any heat source and ignition source. Temperature: 5c and 20c

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Control Parameters

Ingredients Comments:

Linalool (CAS:78-70-6)

No exposure limits noted for ingredients.

Protective Equipment:



Engineering Measures:

Provide adequate ventilation.

Respiratory Protection:

Not necessary in adequate local with general ventilation - avoid breathing vapours.

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 inhalation and contact with skin and eyes.

Skin Protection:

Wear apron or protective clothing in case of contact.

Environmental Exposure

Controls:

The usual precautions in handling chemicals have to be observed.

9. PHYSICAL DATA AND CHEMICAL PROPERTIES:

Appearance:

Liquid

Colour:

Orange to red/ orange

Odour:

Characteristic

Relative Density @ 20°C:

0.835-0.855

Flash point (°C):

47-50

Refractive Index @ 20°C:

1.460-1.485

Optical Rotation @ 20°C:

+90 to +99

10. STABILITY AND REACTIVITY:

Reactivity:

Product is not reactive if used according to storage and handling conditions and identified uses (see subsection 1.2). Stable under the normal temperature conditions.

Chemical Stability:

Possibility of Hazardous

Reactions:

None if used according to storage and handling and identified uses (see subsection 1.2).

Conditions To Avoid:

Heat, sparks and open flames.

Materials to Avoid:

Strong oxidising substances. Strong alkalis. Strong acids.

Hazardous Decomposition

Products:

Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION:

Toxicological Information:

Irritating to skin, may cause sensitisation by skin contact, may cause lung damage if swallowed.

12. ECOLOGICAL INFORMATION:

Ecotoxicity:

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Results of PBT and vPvB

Assessment:

This product does not contain any PBT or vPvB substances.

13. DISPOSAL CONSIDERATIONS:

Waste Treatment Methods:

The containers used for this product must be 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

Proper Shipping Name:

EXTRACTS, AROMATIC, LIQUID

Transport Hazard Class(es):

ADR/ RID/ ADN Class No:

1169

ADR/ RID/ ADN Class:

Class 3: Flammable liquids.

IMDG Class:

3

ICAO Class/ Division:

3

Transport Labels:

Packing Group:	ADR/ RID/ ADN Packing Group:	III
	IMDG Packing Group:	III
	ICAO Packing Group:	III
Environmental Hazards:	Environmentally Hazardous Substance/Marine Pollutant	



Special Precautions For User:	EMS	F-E-S-D
	Emergency Action Code	3YE
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	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)
	Tariff Number	33011920

15. REGULATORY INFORMATION:

Guidance Notes	CHIP for everyone HSG(108).
EU Legislation	Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
Water hazard classification	WGK 2

16. OTHER INFORMATION:

Risk Phrases In Full:	R10 Flammable. R65 Harmful: may cause lung damage if swallowed. R38 Irritating to skin. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements in Full:	H315 Causes skin irritation. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life

DISCLAIMER:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Since the conditions of use are out of our control, New Directions Europe shall not be held liable for any damage resulting from handling or from contact with the product. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.



PRODUCT SPECIFICATION

Date: 17 July 2017

Product	CLEMENTINE OIL ORGANIC
CAS NO:	Not assigned
INCI:	Citrus Clementina Peel Oil
ORIGIN:	USA
TARIFF NO:	3301 1920
MANUFACTURING PROCESS:	The volatile essential oil expressed from the ripe peel of Citrus Clementina.
Appearance:	Liquid
Colour:	Orange to Red Orange
Odour:	Characteristic
Relative Density @ 20c (g/ml):	0.835 – 0.855
Refractive Index nD20:	1.460 – 1.485
Optical Rotation:	+90 to +99 c
Storage:	Store product in full, tightly closed containers in a cool dry place.
Stability:	When stored for more than 24 months quality should be checked before use.

The analytical values are subject to change as common with natural and nature identical products.
These statements do not release the buyer from the duty of his own controls



Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	CLEMENTINE OIL ORGANIC
Cas No:	N/A
EINECS No:	N/A
STATEMENT	
<p>We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>03/06/2019</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	