#### **CERTIFICATE OF ANALYSIS**

PRODUCT DESCRIPTION	ORANGE OIL BRAZILIAN
APPEARANCE	ORANGE LIQUID
PRODUCT CODE	OEORANSWEE
BATCH NUMBER	4468402
Best Before	MAY 2025

ANALYSIS	RESULTS	SPECIFICATION
Refractive Index 20degC	1.473	>= 1.472 <= 1.476
Optical Rotation	97.8	>= 92.0 <= 99.0
Specific Gravity (20c)	0.845	>= 0.842 <= 0.848
Aldehyde content (as decanal)	0.8	>='1.0

This certificate of analysis ha.s been issued by an automatic system controlled by the Quality Control Department. Therefore this certificate is valid without any signature.

#### Allergen Analysis

Compound Name : ORANGE OIL BRAZILIAN

naradiant	040 Nie		present as a percentage 'A' for absent in	
ingredient	CAS No.		From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	A	
Amyl Cinnamal	122-40-7	A	А	
Amylcinnamyl Alcohol	101-85-9	A	А	
Anise Alcohol	105-13-5	A	А	
Benzyl Alcohol	100-51-6	A	A	
Benzyl Benzoate	120-51-4	A	A	
Benzyl Cinnamate	103-41-3	A	А	
Benzyl Salicylate	118-58-1	A	А	
Butylphenyl Methylpropional (Lilial)	80-54-6	A	А	
Cinnamal	104-55-2	A	А	
Cinnamyl Alcohol	104-54-1	A	А	
Citral	5392-40-5	A	0.15	0.1
Citronellol	106-22-9	A	А	
Coumarin	91-64-5	A	А	
Eugenol	97-53-0	A	А	
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	А	
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	А	
Farnesol	4602-84-0	A	А	
Geraniol	106-24-1	A	А	
Hexyl Cinnamal	101-86-0	A	А	
Hydoxycitronellal	107-75-5	A	А	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A	А	
Isoeugenol	97-54-1	A	А	
Limonene	5989-27-5	A	95.00	95.0
Linalool	78-70-6	A	0.40	0.4
Methyl 2-Octynoate	111-12-6	A	А	

#### Food Allergen Declaration

According to 2007/68/EC

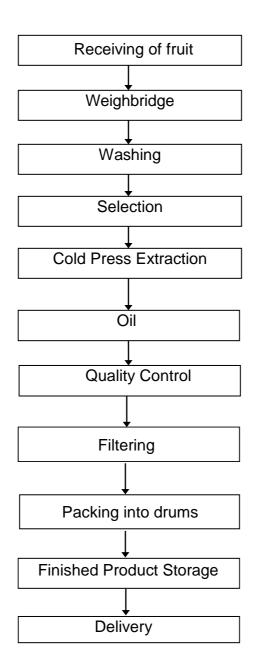
Compound Name : Orange Sweet Essential Oil 100% P&N

We have carefully reviewed the ingredients in this product.

Allergen Source	Present
Celery and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Lupin and products thereof	No
Milk and products thereof (including lactose)	No
Molluscs and products thereof	No
Mustard and products thereof	No
Nuts i.e. Almond, Hazelnut, Walnut, Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof	No
Peanuts and products thereof	No
Sesame seeds and products thereof	No
Soybeans and products thereof	No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO2	No

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#### Flow Diagram Orange Sweet Oil



19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 4 of 20

#### **GMO** Declaration

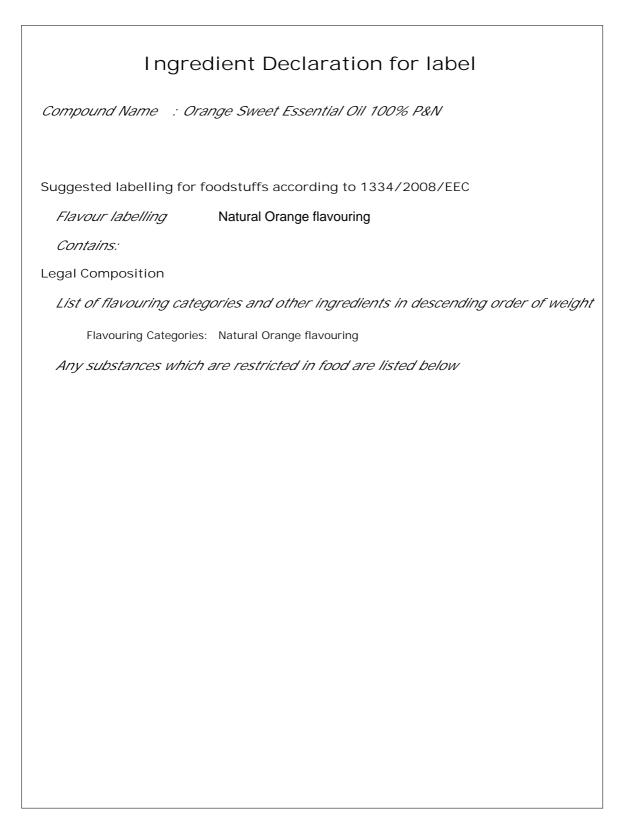
According to 1829/2003/EC

Compound Name : Orange Sweet Essential Oil 100% P&N

We have carefully reviewed the ingredients in this product for their potential genetically modified (GM) origin. The list includes ingredients which may be produced from other GM ingredients

Material	Present	Of GMO Origin
Chicory	No	-
Cotton	No	-
Maize	No	-
Potato	No	-
Rape	No	-
Soya	No	-
Sugar Beet	No	-
Tomato	No	-
Wheat	No	-

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Page 1 of 1

Product Name Orange Oil Sweet

We certify that the above product is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 49th Amendment to the IFRA Code of Practice (published January,2020), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Classes	Maximum level of use	IFRA Classes	Maximum level of use
Category 1	91.7%	Category 7B	100 %
Category 2	26.7%	Category 7A	100 %
Category 3	52.0%	Category 8	34.0%
Category 4	100 %	Category 9	100 %
Category 5A	100 %	Category 10A	100 %
Category 5B	100 %	Category 10B	100 %
Category 5C	100 %	Category 11A	34.0%
Category 5D	34.0%	Category 11B	34.0%
Category 6	100 %	Category 12	100 %

The IFRA Standards regarding use restrictions are based on safety assessments by the panel of experts of the RIFM and are enforced by the IFRA Scientific Committee.

This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. It is the ultimate responsibility of our customer to ensure the safety of the final product with other tests if necessary.

#### ANNEX : Definition of IFRA Classes 49th Amendment

IFRA class	Product application
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)
	Children's toys
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably
	foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.)
<b>a</b> / <b>a</b>	Body sprays (including body mist)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.)
	including eye care and moisturizer.
	Facial make up and foundation
	Make-up remover for face and eyes
	Nose pore strips
	Wipes or refreshing tissues for face, neck, hands, body
	Body and face paint (for children and adults)
Catagony	Facial masks for face and around the eyes
Category 4	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne,
	solid perfume, fragrancing cream, aftershaves of all types, etc.) Fragranced bracelets
	Ingredients of perfume kits and fragrance mixtures for cosmetic kits
	Scent pads, foil packs
	Scent strips for hydroalcoholic products
Category 5A	Body creams, oils, lotions of all types
category of t	Foot care products (creams and powders)
	Insect repellent (intended to be applied to the skin)
	All powders and talc (excluding baby powders and talc)
Category 5B	Facial toner
0,	Facial moisturizers and creams
Category 5C	Hand cream
	Nail care products including cuticle creams, etc.
	Hand sanitizers
Category 5D	Baby cream/lotion, baby oil, baby powders and talc
Category 6	Toothpaste
	Mouthwash, including breath sprays
o /	Toothpowder, strips, mouthwash tablets
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.)
	Hair styling aids non sprays (mousse, gels, leave- on conditioners)
	Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo)
	Hair deodorizer
Category 8	Intimate wipes
Category 0	Tampons
	Baby wipes
	Toilet paper (wet)
Category 9	Bar soap
<u>-</u>	Shampoo of all type
	Cleanser for face (rinse-off)
	Conditioner (rinse-off)
	Liquid soap
	Body washes and shower gels of all types
	Baby wash, bath, shampoo
	Bath gels, foams, mousses, salts, oils and other products added to bathwater
	Foot care products (feet are placed in a bath for soaking)
	Shaving creams of all types (stick, gels, foams, etc.)
	All depilatories (including facial) and waxes for mechanical hair removal
	Shampoos for pets

#### IFRA class Product application

Category 10A	Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g.paste, sprays, sticks) Hand dishwashing detergent (including concentrates) Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Dry cleaning kits
	Toilet seat wipes Fabric softeners of all types including fabric softener sheets Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and
	wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances
	after wash, deodorizers for textiles or fabrics)
	Floor wax
	Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.
Category 10B	Ironing water (Odorized distilled water) Animal sprays – sprays applied to animals of all types
Calegory TOB	Ainma sprays – sprays applied to animals of an types Air freshener sprays, manual, including aerosol and pump
	Aerosol/spray insecticides
Category 11A	Feminine hygiene conventional pads,liners, interlabial pads
	Diapers (baby and adult)
	Adult incontinence pant, pad
	Toilet paper (dry)
Category 11B	Tights with moisturizers
	Scented socks, gloves
	Facial tissues (dry tissues)
	Napkins
	Paper towels
	Wheat bags Facial masks (paper/protective) e.g.surgical masks not used as medicaldevice
	Fertilizers, solid (pellet or powder)
Category 12	Candles of all types (including encased)
	Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods) Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders,
	fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals) Air delivery systems
	Cat litter
	Cell phone cases Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)
	Fuels
	Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays Joss sticks or incense sticks
	Dishwash detergent and deodorizers – for machine wash Olfactive board games
	Paints Plastic articles (excluding toys)
	Scratch and sniff
	Scent pack
	Scent delivery system (using dry air technology)
	Shoe polishes
	Rim blocks (Toilet)

SAFETY DATA S CLP: According to 2015/830/E		Printed on 26 February 2021
Version 1 Revised 26/0 14:39:59	01/2021	
Section 1. Identification	n of the substance/i	mixture and of the company/undertaking
1.1 Product I dentifier Product Name Alternative Name REACH Reg No	Orange Sweet Essen	tial Oil 100% P&N
	01-2119493353-35-	0020
1.2 Relevant identified	uses of the substar	nce or mixture and uses advised against
Concentrated material	for manufacturing pur	poses only
1.3 Details of the supp	-	
	Madar Corporation Li 19 -20 Sandleheath Fordingbridge SP6 1PA	
Telephone Number	+44 (0)1425 655 55	5
Email Address	technical@madarcor	poration.co.uk
1.4 Emergency Tel No	+44 (0)1425 65555	5
Section 2. HAZARD I DE	NTIFICATION	
2.1 Classification of th	e substance or mixt	ure
FL 3	Flammable liquid, ca	tegory 3
AH 1	Aspiration hazard, ca	
SCI 2	Skin corrosion/irritat	
SS 1 EH C2	Skin sensitisation, ca Aquatic hazard, chro	0 0
	Aquatic hazara, chi o	

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SAFETY DATA CLP: According to 2015/8		Printed on 26 February 2021
Version 1 Revised	26/01/2021	
CLP Label element	S	
CLP classification a Hazard Pictograr	according to Regulation (	EC) No 1272/2008
Hazai û Pictogi ai		
•		¥73
	$\forall$	
Signal Word	Danger	
Hazard Statemer	nts	
H226	Flammable liquid a	nd vapour
H304	May be fatal if swa	lowed and enters airways
H315	Causes skin irritatio	n
H317	May cause an aller	jic skin reaction
H411	Toxic to aquatic life	with long lasting effects
Precautionary St	atements	
P272	Contaminated work workplace.	clothing should not be allowed out of the
P280	Wear protective glo	oves and eye protection
P301+P310	IF SWALLOWED: Ir	nmediately call a POISON CENTRE.
P302+P352	IF ON SKIN: Wash	with plenty of water.
P331	Do NOT induce von	hiting.
P391	Collect spillage.	
2.3 Other Hazards		
Contains Citral, Lir	monene and Linalool whi	ch may produce an allergic reaction
No further informa	ition available at this tim	e
· ·	tion / information on i	•
Any percentage values liste	d here for hazardous components ar	e for illustrative purposes only

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SAFETY DA	-	Printed on 26 F	ebruary 202
<i>Version 1 Revis</i> 14:39:59			
3.1 Substances			
Description	Orange Sweet Essential Oil 10	00% P&N	
EC/EINECS	232-433-8		
CAS Number	8028-48-6		
USCAS Number	8008-57-9		
Hazardous com	ponents		
ID Numbers	Chemical Name, Classification	and Hazards	Conc (%)
CAS 5989-27-5 EINECS 227-813-5	d-Limonene (p-Mentha-1,8-diene)		100.0000
REACH	AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410		100.0000
CAS 123-35-3	Myrcene		
EINECS 204-622-5 REACH	FL 3; AH 1; SCI 2; EDI 2 H226,H304,H315,H319		2.9999
CAS 78-70-6	Linalool		
EINECS 201-134-4 REACH	SCI 2; SS 1B; EDI 2 H315,H317,H319		2.9999
CAS 112-31-2	Decanal		2.0000
EINECS 203-957-4 REACH	EDI 2;EH C3 H319,H412		2.9999
Refer to section 16	for the wording of listed classificat	ion and hazard statement codes	
Section 4. First A	ud moasuros		
	ections 2 into account		
	of first aid measures		
After inhalatio			
Remove from t	he exposure area to fresh air.	Contact a doctor if necessary.	
After skin cor		5	
	ninated clothing. Wash thoroug	while with soap and water. See	k medical
	on persists or there is any sign		in moundar
After eye con	tact		
Flush with plen	ty of water and seek medical a	dvice if necessary.	
After ingestio	n		
•	th plenty of water and obtain r	medical advice immediately.	
4.2 Most import	ant symptoms and effects, I	both acute and delayed	
	mation available at this time		

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

No further information available at this time

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SAFETY DATA SHEET CLP: According to 2015/830/EU	Printed on 26 February 2021
Version 1 Revised 26/01/2021 14:39:59	
4.3 Indication of immediate medical attention No further information available at this time	and special treatment needed
Section 5. Fire-fighting measures	
5.1 Extinguishing Media Carbon dioxide, foam or dry powder DO NOT USE A DIRECT WATER JET.	
5.2 Special hazards arising from the substanc May produce Carbon dioxide and unidentified or	
5.3 Advice for fire-fighters Wear protective clothing and avoid inhalation of	vapours.
Section 6. Accidental release measures	
6.1 Personal precautions, protective equipme Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation.	nt and emergency procedures
6.2 Environmental precautions Do not discharge directly into drains or the soil. water	Keep away from surface and ground
6.3 Methods and material for containment and	d cleaning up
Soak up spillage with sand or other inert absorbation vemiculite; transfer used material to a suitable vaccordance with regulations.	
6.4 Reference to other sections Refer to information in Sections 7, 8 and 13	
Section 7. Handling and storage	
7.1 Precautions for safe handling Maintain good occupational and personal hygiend and eyes.	e. Avoid inhalation and contact with skin
7.2 Conditions for safe storage, including any Store in tightly sealed original containers away f	
7.3 Specific end use(s) No further information available	

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SAFETY DATA SHEET CLP: According to 2015/830/EU	Printed on 26 February 2021			
Version 1 Revised 26/01/2021 14:39:59				
Section 8. Exposure controls / personal protection				
8.1 Control Parameters No information available				
8.2 Exposure controls Engineering controls No information available				
Individual protection measures Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period. Eye/face protection Wear safety goggles.				
Hand protection				
Wear chemically resistant disposable gloves.				
Other skin protection Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.				
Respiratory protection	•			
Not generally required. Use inhalat	ion protection in poorly ventilated areas			
Thermal hazards	Thermal hazards			
No information available	No information available			
Environmental exposure controls No information available				
Section 9. Physical and chemical p	roperties			
9.1 Information on basic physical	and chemical properties			
FLASH POINT (°C)	53			
Colour	Orange-dark orange			
Aroma	Typical odour of orange			
Solubility	Insoluble			
9.2 Other information				
No further information available				

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#### SAFETY DATA SHEET Printed on 26 February 2021 CLP: According to 2015/830/EU Version 1 Revised 26/01/2021 14:39:59 Section 10. Stability and reactivity 10.1 Reactivity Not determined 10.2 Chemical Stability Not determined 10.3 Possibility of hazardous reactions Not determined 10.4 Conditions to avoid Extreme temperatures 10.5 Incompatible materials Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards. 10.6 Hazardous decomposition products Not determined Section 11. Toxicological information 11.1 Information on toxicological effects Acute toxicity No data available Skin corrosion / irritation No data available Serious eye damage / irritation No data available Respiratory or skin sensitisation No data available Germ cell mutagenicity No data available Carcinogenicity No data available Reproductive toxicity No data available

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SAFETY DATA SHEET CLP: According to 2015/830/EU	Printed on 26 February 2021
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STO-single exposure No data available	
STO-repeated exposure No data available	
Aspiration hazard No data available	
Information on likely routes of exposure No data available	
Symptoms related to the physical, chemical No data available	l and toxicological characteristics
Delayed and immediate effects as well as clong-term exposure	hronic effects from short and
No data available	
Interactive effects No data available	
Other information	
No data available	
Section 12. Ecological information	
12.1 Toxicity	
No data available. Avoid soil, surface water and	l water-bearing stratum contamination.
12.2 Persistence and degradability No data available	
12.3 Bioaccumulative potential No data available	
12.4 Mobility in soil No data available	
12.5 Results of PBT and vPvB assessment No data available	
12.6 Other adverse effects No data available	

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SAFETY DATA SHE	T Printed on 26 February 2021			
CLP: According to 2015/830/EU	· · · · · · · · · · · · · · · · · · ·			
Version 1 Revised 26/01/2	21			
14:39:59				
Section 13. Disposal consid	ations			
Please refer to the information	n section 8 (Exposure controls and personal protection)			
	13.1 Waste treatment methods Dispose in accordance with the law and local regulations. Treat as trade effluent.			
Section 14. Transport inform	ation			
14.1 UN number	1169			
14.2 UN proper shipping na	ne EXTRACTS, AROMATIC, LIQUID			
14.3 Transport hazard clas	es) 3			
14.4 Packing group	111			
Tunnel Code	(D/E)			
14.5 Environmental Hazards Marine Pollutant - contains environmentally hazardous substances (LIMONENE)				
14.6 Special precautions fo	user			
No relevant information ava	able			
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable				
Section 15. Regulatory info	nation			
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture				
No relevant information available at this time				
15.2 Chemical safety assessment				
A chemical safety assessment has not been carried out				
Section 16. Other information	1			
Full list of precautionary phrases				
P262 Do	t get in eyes, on skin, or on clothing.			
	minated work clothing should not be allowed out of the place.			
P280 Wea	protective gloves and eye protection			
	ALLOWED: Immediately call a POISON CENTRE.			
P302+P352 IF C	SKIN: Wash with plenty of water.			

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#### SAFETY DATA SHEET

Printed on 26 February 2021

CLP: According to 2015/830/EU

Version 1 Revised 26/01/2021 14:39:59

P331	Do NOT induce vomiting.		
P391	Collect spillage.		
Wording of any haza	Vording of any hazard classes listed in section 3		
FL 3	Flammable liquid, category 3		
AH 1	Aspiration hazard, category 1		
SCI 2	Skin corrosion/irritation, category 2		
SS 1B	Skin sensitisation, category 1B		
EDI 2	Eye damage/irritation, category 2		
EH A1	Aquatic hazard, acute, category 1		
EH C1	Aquatic hazard, chronic, category 1		
EH C3	Aquatic hazard, chronic, category 3		
Wording of any hazard statements listed in section 3			
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		
H319	Causes serious eye irritation		
H400	Very toxic to aquatic life		
H410	Very toxic to aquatic life with long lasting effects		
H412	Harmful to aquatic life with long lasting effects		

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#### PRODUCT SPECIFICATION

Product Name	:	ORANGE OIL	
Flash Point deg C	:	48	
Aroma / Taste	:	PEELY ORANGE	
Appearance / Physical State	:	YELLOW LIQUID	
Composition	:	Botanical name: citrus sinensis Origin Brazil	
Refractive Index 20degC		>= 1.472 <= 1.476	
Optical Rotation		>= 92.0 <= 99.0	
Specific Gravity (20c)		>= 0.842 <= 0.848	
Aldehyde content (as decanal)		>= 1.0	

Shelf Life : 6 Months

(if stored in full airtight containers, protected from heat and direct sunlight)

Version Number : 13 Version Date : 21 January 2021

Printed on 25 January 2021

#### Vegetarian Declaration

Compound Name : Orange Sweet Essential Oil 100% P&N

Vegan	Y	No ingredients of animal origin or animal derivatives, including additives and processing aids
Vegetarian	Y	No ingredients of animal origin, including additives and processing aids. No egg or dairy; bee products are allowed
Ovo-lacto Vegetarian	Y	May include egg, dairy and bee products. No other ingredients of animal origin or animal derivatives, including additives and processing aids are allowed

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