

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : February 13,2023

Print Date : March 19, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Tangerine Essential Oil
Botanical name	:	Citrus reticulata blanco var tangerine
INCI name	:	Citrus Reticulata Peel Oil
CAS #	:	8008-31-9 / 84929-38-4
Country of Origin	:	Argentina
EINECS #	:	- / 284-521-0
Product use	:	Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3

Aspiration Toxicity- Category 1

Skin Corrosion / Irritation - Category 2

Aquatic Hazard, long term - Category 1

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting, communication, equipment
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.
P370+P378	In case of fire: Use ... to extinguish.
P391	Collect spillage.
P403	Store in a well ventilated place.
P501	Dispose of contents/container to ...

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Citrus Reticulata Peel Oil	8008-31-9 / 84929-38-4	284-521-0	100 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Rinse mouth and seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam, dry powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Respiratory protection equipment may be necessary. Avoid all contact with eyes and mucous.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid all contact with eyes and mucous. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Maintain the packaging well closed, in a cool place, dry and protected from extreme temperatures. Maintain the area ventilated.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Goggles giving complete protection to eyes. Eyewash bottle with clean water.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Do not eat, drink or smoke while using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale Orange to reddish liquid.
Odor	:	Fresh orange mandarin odor.
Flash point	:	>46.66°C
Relative density	:	0.846 to 0.854 @ 20°C
Solubility (ies)	:	Insoluble in water.
Refractive index	:	1.4720 to 1.4760 @ 20°C
Optical rotation	:	+88° to +96° @ 20°C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strongly oxidizing and reducing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity

May cause allergic reactions on skin.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Ingestion

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1197

UN proper shipping name

Extracts, liquid

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

IATA Shipping Description (Air)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

15. REGULATORY INFORMATION

California Proposition 65

• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : February 13, 2023

CERTIFICATE OF ANALYSIS

Product : **Tangerine Essential Oil**

Lot No : 11141A10822

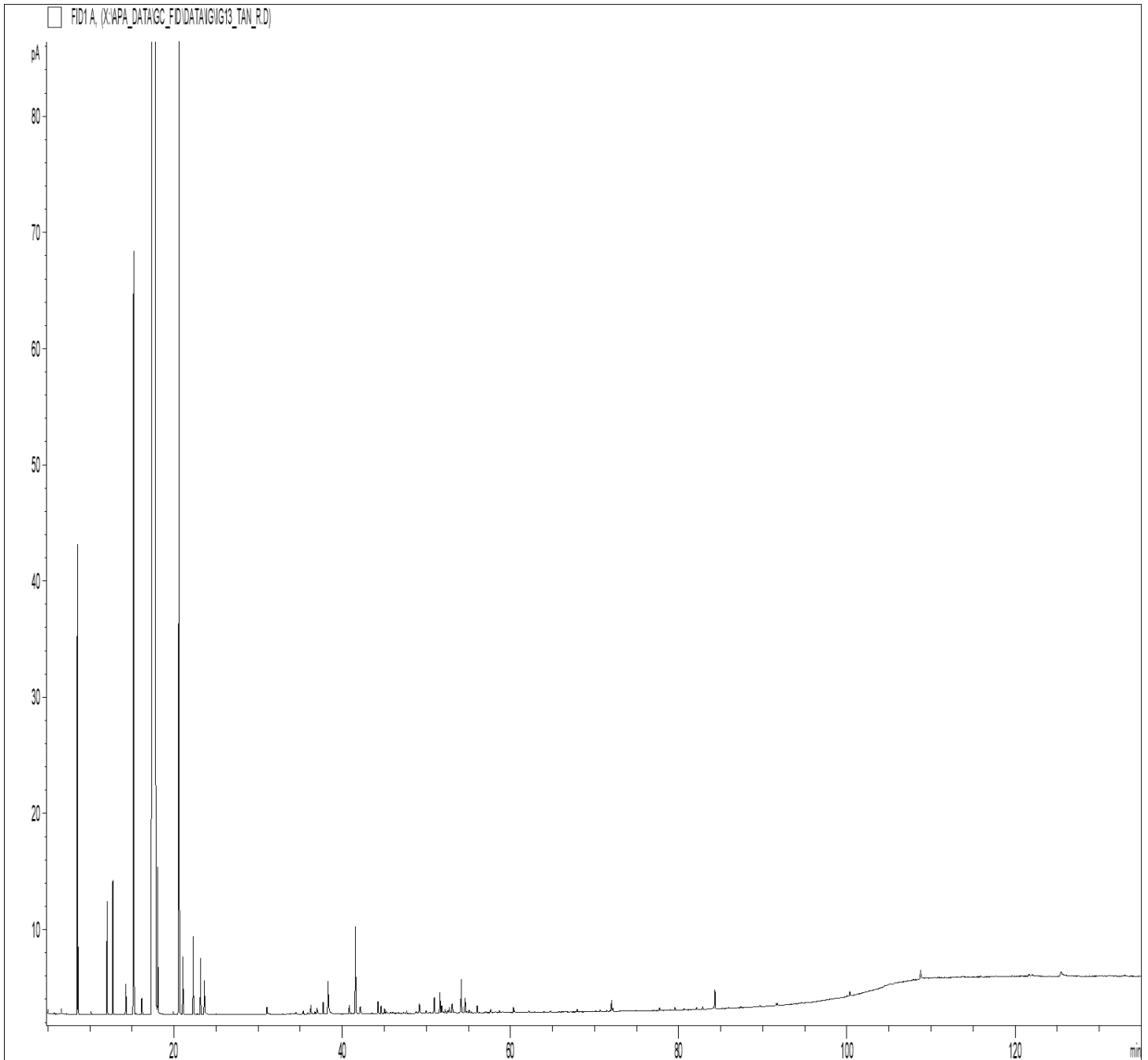
Best Before : August, 2024

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Pale Orange to reddish liquid.	Complies
Odor	: Fresh orange mandarin odor.	Complies
Solubility	: Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity	: 0.846 to 0.854 @ 20°C	0.851
Optical Rotation	: +88.0° to +96.0° @ 20°C	92.5
Refractive Index	: 1.4720 to 1.4760 @ 20°C	1.4738
Aldehyde	: 0.70 - 1.35 %	0.91
D-Limonene	: 90 - 95 %	92.42
a-sinensal	: 0 - 0.20 %	0.05

GCMS ANALYSIS

PRODUCT NAME: TANGERINE ESSENTIAL OIL - 11141

DATE: January 3, 2023



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANGERINE ESSENTIAL OIL - 11141

Peak	RT (min)	Compound name	%
1	8.51	α -PINENE	0.73
2	8.62	α -THUYENE	0.10
3	12.05	β -PINENE	0.23
4	12.74	SABINENE	0.28
5	14.29	δ 3-CARENE	0.07
6	15.22	β -MYRCENE	1.93
7	16.18	α -TERPINENE	0.05
8	17.82	LIMONENE	92.42
9	18.08	β -PHELLANDRENE	0.27
10	20.61	γ -TERPINENE	2.36
11	21.05	trans- β -OCIMENE	0.12
12	22.28	p-CYMENE	0.17
13	23.15	TERPINOLENE	0.13
14	23.61	OCTANAL	0.09
15	31.04	NONANAL	0.02
16	36.27	delta-ELEMENE	0.02
17	37.00	CITRONELLAL	0.02
18	37.72	α -COPAENE	0.03
19	38.32	DECANAL	0.12
20	40.86	β 1-CUBEBENE	0.02
21	41.58	LINALOOL	0.20
22	42.17	1-OCTANOL	0.03
23	44.26	CALARENE ISOMER	0.04
24	44.63	β -CARYOPHYLLENE	0.02
25	45.03	TERPINENE-4-OL	0.01
26	49.18	α -HUMULENE	0.02
27	49.20	E- β -FARNESENE	0.01
28	50.96	α -TERPINEOL	0.04
29	51.63	GERMACRENE D	0.06
30	51.83	DODECANAL	0.03

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANGERINE ESSENTIAL OIL - 11141

Peak	RT (min)	Compound name	%
31	52.76	NERYL ACETATE	0.01
32	53.09	GERANIAL	0.03
33	54.16	E,E- α -FARNESENE	0.06
34	54.62	δ -CADINENE	0.05
35	54.64	GERANYL ACETATE	0.02
36	56.07	PERILLALDEHYDE	0.02
37	60.37	cis-CARVEOL	0.01
38	72.03	METHYL, N-METHYL-ANTHRANILATE	0.03
39	72.20	ELEMOL	0.01
40	84.32	α -SINENSAL	0.05
41	100.36	MYRISTIC ACID	0.01
42	108.77	PALMITIC ACID	0.03
		TOTAL	99.97

Limitación de Responsabilidad

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