

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Nikura | Orange (Sweet) Essential Oil

Version: 5

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Citrus Sinensis; CAS: 8028-48-6

Other identifiers: INCI Name: Citrus Aurantium Dulcis Peel Oil Expressed

CAS-No.: 8028-48-6

EC-No.: 232-433-8

Unique Product Code/s: 10ml: 5060474501187, 2x10ml: 5060474501194, 3x10ml: 5060474507660

50ml: 5060474501200, 100ml: 5060474501217, 2x100ml: 5060474507677, 500ml: 5060683143727

1l: 5060683140825

ASIN Code/s: 10ml: B07G3FB3YJ, 2x10ml: B083F4P7W6, 3x10ml: B083F4YX54, 50ml: B06XJ6791D, 100ml: B06XJ9FGP8, 2x100ml: B083F4GW6K, 500ml: B083F448FS, 1l: B083F46DWN Citrus Aurantium Dulcis Peel Oil Expressed

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Aromatherapy

1.3 Details of the supplier of the safety data sheet

Company name: Nikura Ltd

Company address: Unit 6,
Tariff Road,
London,
N17 0EB

Contact: Regulatory Affairs

E-Mail address: support@nikura.com

Company phone: 0203 6370946

1.4 Emergency telephone number

Emergency phone: 0203 6370946

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Aspiration Hazard Category 1

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Hazardous to the Aquatic Environment - Acute Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Eye Damage / Irritation Category 2A
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.
H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Classification under Regulation (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.
H411, Toxic to aquatic life with long lasting effects.

M factor: None

Supplemental Information: None

Precautionary statements: P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233, Keep container tightly closed.
P240, Ground/bond container and receiving equipment.
P241, Use explosion-proof electrical, ventilating and lighting equipment.
P242, Use only non-sparking tools.
P243, Take precautionary measures against static discharge.
P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling.
P272, Contaminated work clothing should not be allowed out of the workplace.
P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
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.
P331, Do not induce vomiting.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

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P391, Collect spillage.
P403/235, Store in a well-ventilated place. Keep cool.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards: Hydrocarbon Concentration %: 49.0000%
SCL: Skin Corrosion / Irritation 1.65289256% = 60.5TFV
Category 3:

Section 3. Composition / information on ingredients

3.1 Substances

Product identifier: Citrus Sinensis; CAS: 8028-48-6

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
d-Limonene	5989-27-5	227-813-5		20-<50%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1
Decanal	112-31-2	203-957-4		10-<20%	Eye Irrit. 2-Aquatic Chronic 3-Skin Irrit. 3-Aquatic Acute 2-Eye Irrit. 2A-Flam. Liq. 4; H319-H412-H316-H401-H227,-	
Linalool	78-70-6	201-134-4		10-<20%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B-Aquatic Acute 3-Eye Irrit. 2A-Flam. Liq. 4;H315-H317-H319-H402-H227,-	oral: ATE = 2790 mg/kg bw
Octanal	124-13-0	204-683-8		5-<10%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Aquatic Chronic 3-Aquatic Acute 2-Eye Irrit. 2A; H226-H315-H319-H412-H401,-	

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alpha-Terpineol	98-55-5	202-680-6		5-<10%	Skin Irrit. 2-Eye Irrit. 2-Aquatic Acute 2-Eye Irrit. 2A-Flam. Liq. 4; H315-H319-H401-H227,-	oral: ATE = 4300 mg/kg bw
Citral	5392-40-5	226-394-6		5-<10%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1-Aquatic Acute 2-Eye Irrit. 2A; H315-H317-H319-H401,-	
Caryophyllene	87-44-5	201-746-1		1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317,-	
Nonanal	124-19-6	204-688-5		1-<5%	Aquatic Chronic 3-Skin Irrit. 3-Aquatic Acute 2-Flam. Liq. 4;H412-H316-H401-H227,-	
1-Octanol	111-87-5	203-917-6		1-<5%	Eye Irrit. 2-Aquatic Chronic 3-Skin Irrit. 3-Aquatic Acute 3-Eye Irrit. 2A-Flam. Liq. 4; H319-H412-H316-H227,-	dermal: ATE = 2500 mg/kg bw
Citronellal	106-23-0	203-376-6		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Eye Irrit. 2A-Flam. Liq. 4;H315-H317-H319-H401-H227,-	dermal: ATE = 2500 mg/kg bw-oral: ATE = 2500 mg/kg bw
p-Mentha-1,8-dien-7-al	2111-75-3	218-302-8		1-<5%	Skin Sens. 1B-Skin Irrit. 3;H317-H316,-	oral: ATE = 2500 mg/kg bw
Dodecanal	112-54-9	203-983-6		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B-Eye Irrit. 2A;H315-H317-H319,-	
Nerol	106-25-2	203-378-7		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Eye Irrit. 2A; H315-H317-H319-H401,-	oral: ATE = 4500 mg/kg bw
Geraniol	106-24-1	203-377-1		1-<5%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-Aquatic Acute 3;H315-H317-H318-H402,-	oral: ATE = 3600 mg/kg bw
Carvone	99-49-0	202-759-5		1-<5%	Skin Sens. 1B-Aquatic Acute 2-Flam. Liq. 4; H317-H401-H227,-	dermal: ATE = 3800 mg/kg bw-oral: ATE = 2500 mg/kg bw
Myrcene	123-35-3	204-622-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2-Eye Irrit. 2A;H226-H304-H315-H319-H400-H411,-	M = 1
a-Pinene	80-56-8	201-291-9		0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H302-H304-H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw
delta-3-Carene	13466-78-9	236-719-3		0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1-Aquatic Chronic 2-Aquatic Acute 2;H226-H304-H315-H317-H332-H411,-	inhalation: ATE = 1.5 mg/l (dusts or mists)-oral: ATE = 4800 mg/kg bw

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Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
 Causes skin irritation.
 May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

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6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Aromatherapy: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	Yellow to orange liquid.
Odour:	Sweet, citrus odour.
Odour threshold:	Not determined
Melting point / freezing point:	-25 °C/
Boiling point or initial boiling point and boiling range:	160 °C

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Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	45 °C
Auto-ignition temperature:	235 °C
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	0.99
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	1.864000
Density and/or relative density:	0.8250 - 0.8650
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 2

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Serious eye damage/irritation: Eye Damage / Irritation Category 2
Respiratory or skin sensitisation: Sensitization - Skin Category 1
Germ cell mutagenicity: Based on available data the classification criteria are not met.
Carcinogenicity: Based on available data the classification criteria are not met.
Reproductive toxicity: Based on available data the classification criteria are not met.
STOT-single exposure: Based on available data the classification criteria are not met.
STOT-repeated exposure: Based on available data the classification criteria are not met.
Aspiration hazard: Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture
Not Applicable

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards
Not Applicable

Section 12. Ecological information

12.1 Toxicity:
Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability: Not available
12.3 Bioaccumulative potential: Not available
12.4 Mobility in soil: Not available
12.5 Results of PBT and vPvB assessment:
This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
12.6 Endocrine disrupting properties: Not Applicable
12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:
Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN1993	FLAMMABLE LIQUID, N.O.S. (d-Limonene, Octanal)	3	-	III

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IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (d-Limonene, Octanal, a-Pinene) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1993	FLAMMABLE LIQUID, N.O.S. (d-Limonene, Octanal)	3	-	III
ICAO TI	UN1993	FLAMMABLE LIQUID, N.O.S. (d-Limonene, Octanal)	3	-	III

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

Section 15. Regulatory information

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

RIFM ID Number: 192-G2.29

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=17.86% EDI 2=18.52% SS 1=4.00% AH 1=20.41% EH A1=94.70% EH C3=25.77% EH C4=52.63% EDI 2A=18.52% SCI 3=1.65%

Total Fractional Values: SCI 2=5.60 EDI 2=5.40 SS 1=25.00 AH 1=4.90 EH A1=1.06 EH C3=3.88 EH C4=1.90 EDI 2A=5.40 SCI 3=60.50

Key to revisions:

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- Classification under Regulation (EC) No 1272/2008
- Concentration % Limits
- SECTION 3: Composition/information on ingredients
- Total Fractional Values

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2

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Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.

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P330	Rinse mouth.
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.
P337/313	If eye irritation persists: 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 carbon dioxide, dry chemical, foam 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 approved disposal site, in accordance with local regulations.
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.