

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

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

#### 1.1 Product Identifier

**Product identifier:** Spiced Orange Zest Fragrance Oil (Contains:2-(4-tert-Butylbenzyl)propionaldehyde, Linalool, Linalyl acetate, d-Limonene)

**Other identifiers:** SKU: 21407

**Unique Formula Identifier (UFI):** UFI: WV8W-R19J-V00X-VFA6

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

**Product uses:** Fragrance Oil (Mixture for further formulation.)

#### 1.3 Details of the supplier of the safety data sheet

**Company name:** NI Candle Supplies Ltd

**Company address:** Unit 7A Milltown Industrial Estate  
Greenan Road  
Warrenpoint  
BT34 3FN

**Contact:** Sarah Lowther

**E-Mail address:** support@nicandlesupplies.co.uk

**Company phone:** +44 28 4177 4362

#### 1.4 Emergency telephone number

**Emergency phone:** +44 7412 948 473

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Toxic to Reproduction Category 2  
Aspiration Hazard Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 1  
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.  
H361, Suspected of damaging fertility or the unborn child (exposure route).  
H410, Very toxic to aquatic life with long lasting effects.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

### 2.2 Label elements

**Signal word:** Danger

**Hazard statements:** 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.  
H361, Suspected of damaging fertility or the unborn child (exposure route).  
H410, Very toxic to aquatic life with long lasting effects.

**Supplemental Information:** EUH208, Contains 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, Allyl cyclohexanepropionate, Citral, Citronellol, Geranyl acetate, Hydroxycitronellal, Lauric aldehyde, alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one, alpha-Pinene, beta-Pinene. May produce an allergic reaction.

**Precautionary statements:** P202, Do not handle until all safety precautions have been read and understood.  
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.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308/313, IF exposed or concerned: Get medical advice/attention.  
P331, Do not induce vomiting.  
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.  
P391, Collect spillage.  
P405, Store locked up.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



**Unique Formula Identifier (UFI):**

UFI: WV8W-R19J-V00X-VFA6

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

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**Version:** 1

**Other hazards:** None

### Section 3. Composition / information on ingredients

#### 3.2 Mixtures

##### Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
d-Limonene	5989-27-5	227-813-5		24.78%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H400-H410,-
Benzyl benzoate	120-51-4	204-402-9		21.94%	ATO 4-EH A1-EH C2; H302-H400-H411,-
Linalool	78-70-6	201-134-4		12.00%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-
2-(4-tert-Butylbenzyl) propionaldehyde	80-54-6	201-289-8		5.31%	ATO 4-SCI 2-SS 1B-REP 2-EH C3;H302-H315-H317-H361-H412,-
Linalyl acetate	115-95-7	204-116-4		2.75%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-
beta-Pinene	127-91-3	204-872-5		2.47%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
Terpineol	8000-41-7	232-268-1		2.20%	SCI 2-EDI 2;H315-H319,-
Citral	5392-40-5	226-394-6		1.88%	SCI 2-EDI 2-SS 1; H315-H317-H319,-
Decanal	112-31-2	203-957-4		1.40%	EDI 2-EH C3;H319-H412,-
p-Mentha-1,4-diene	99-85-4	202-794-6		1.33%	FL 3-AH 1;H226-H304,-
Hydroxycitronellal	107-75-5	203-518-7		1.25%	EDI 2-SS 1B;H317-H319,-
Allyl cyclohexanepropionate	2705-87-5	220-292-5		1.00%	ATO 4-ATD 4-ATI 4-SS 1-EH A1-EH C1;H302-H312-H317-H332-H410,-
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	268-264-1		0.50%	SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319-H411,-
Citronellol	106-22-9	203-375-0		0.50%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-
alpha-Pinene	80-56-8	201-291-9		0.38%	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304-H315-H317-H410,-
Myrcene	123-35-3	204-622-5		0.31%	FL 3-SCI 2-EDI 2-AH 1-EH A1-EH C2;H226-H304-H315-H319-H400-H411,-
Geranyl acetate	105-87-3	203-341-5		0.30%	SCI 2-SS 1-EH C3; H315-H317-H412,-
Lauric aldehyde	112-54-9	203-983-6		0.20%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-
alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	43052-87-5	245-845-8		0.13%	ATO 4-SS 1B-EH C2; H302-H317-H411,-

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

**Substances with Community workplace exposure limits:**

Not Applicable

**Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:**

Not Applicable

### Section 4. First-aid measures

#### 4.1 Description of first aid measures

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

#### 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.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child (exposure route).

#### 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.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

### 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.

### 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. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

### 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):

Fragrance Oil (Mixture for further formulation.): 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.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Liquid Colour: Light Yellow
<b>Odour:</b>	Not determined
<b>Odour threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	65 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Product does not present an explosion hazard
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Explosive properties:</b>	Not expected
<b>Oxidising properties:</b>	Not expected

**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.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

**10.6 Hazardous decomposition products:**

Not expected.

### Section 11. Toxicological information

**11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

**Acute Toxicity:** Based on available data the classification criteria are not met.  
 Acute Toxicity Oral 3485  
 Acute Toxicity Dermal >5000  
 Acute Toxicity Inhalation Not Available  
**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 2  
**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:** Toxic to Reproduction Category 2  
**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**

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2-(4-tert-Butylbenzyl) propionaldehyde	80-54-6	201-289-8	1390	Not available	Not available	Not available
Allyl cyclohexanepropionate	2705-87-5	220-292-5	480	1600	11	Not available
Benzyl benzoate	120-51-4	204-402-9	1900	4000	Not available	Not available

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

**12.1 Toxicity:**

Very 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.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

**12.6 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:** UN3082

**14.2 UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene, beta-Pinene)

**14.3 Transport hazard class(es):** 9

**Sub Risk:** -

**14.4. Packing Group:** III

**14.5 Environmental hazards:** This is an environmentally hazardous substance.

**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**

None additional

**15.2 Chemical Safety Assessment**

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

### Section 16. Other information

**Concentration % Limits:** EH A1=49.14% EH C1=87.34% EH C2=8.11% EH C3=0.80945181% EH C4=43.65% SCI 2=19.46% EDI 2=46.55% SS 1=4.04% REP 2=56.50% AH 1=34.09%

**Total Fractional Values:** EH A1=2.03 EH C1=1.14 EH C2=12.33 EH C3=123.54 EH C4=2.29 SCI 2=5.14 EDI 2=2.15 SS 1=24.78 REP 2=1.77 AH 1=2.93

**Key to revisions:**

Not applicable

**Key to abbreviations:**

Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H400	Very toxic 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.
P202	Do not handle until all safety precautions have been read and understood.
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.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
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.
P308/313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Spiced Orange Zest Fragrance Oil

**Version:** 1

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.
REP 2	Toxic to Reproduction Category 2
SCI 2	Skin Corrosion / Irritation Category 2
SS 1	Sensitization - Skin Category 1
SS 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.