



# Safety Data Sheet

Product: **Blood Orange Fragrance Oil**

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade Name:** Blood Orange Fragrance Oil

### 1.2 Relevant identified product use

**Intended use:** Compound used in customer substance/mixture/product

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

**Supplier:** Zen Aroma  
22c Portside Drive  
Mt Maunganui  
New Zealand  
support@zenaroma.co.nz  
07 578 4755

**Emergency phone:** +0800 764 766 NZ Poisons Centre

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

#### Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 3	H226: Flammable liquid and vapor
Acute Toxicity Oral, Category 5	H303: May be harmful if swallowed
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation
Sensitization, Skin, Category 1	H317: May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
Aquatic Chronic Toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects

#### Classification EU (67/548/EEC, 199/45/EC)

N	Dangerous for the Environment
	R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Xi	Irritant
	R38 : Irritating to skin
	R43 : May cause sensitization by skin contact
Xn	Harmful
	R65 : Harmful: may cause lung damage if swallowed

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008)**

**Hazard pictograms**



# Safety Data Sheet

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**Signal Word: Danger**

## Hazard statements

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled
H410	Very toxic to aquatic life with long lasting effects

## Precautionary Statements

### Prevention:

P233	Keep container tightly closed
P235	Keep cool
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

### Response:

P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
P302 + P352	IF ON SKIN: Wash with soap and water
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P352	Wash with soap and water
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391	Collect Spillage

## 2.3 Other Hazards

no data available

## 3. Composition/Information on Ingredients

### 3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

# Safety Data Sheet

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CAS# Ingredient	EC#	Conc. Range	GHS Classification	EU Classification
<b>68647-72-3</b> <i>Citrus aurantium var. dulcis</i>	232-433-8	60 - 70 %	H226; H304; H315; H317; H400; H410	R10; N - R50/53; Xi - R38, R43; Xn - R65
<b>120-51-4</b> <i>Benzyl Benzoate</i>	204-402-9	5 - 10 %	H302; H313; H400; H411	N - R51/53; Xn - R22
<b>78-70-6</b> <i>Linalool</i>	201-134-4	2 - 5 %	H227; H303; H315; H319; H402	Xi - R38
<b>88-41-5</b> <i>2-t-Butylcyclohexyl acetate</i>	201-828-7	2 - 5 %	H227; H303; H316; H401; H411	N - R51/53
<b>5182-36-5</b> <i>2,4,6-Trimethyl-4-phenyl-1,3-dioxane</i>	225-963-6	2 - 5 %	H302; H402; H412	R52/53; Xn - R22
<b>112-31-2</b> <i>Decanal</i>	203-957-4	1 - 2 %	H227; H319; H401; H412	N - R51/53

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 63.00

## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
<b>Eye Exposure:</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>Skin Exposure:</b>	Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
<b>Ingestion:</b>	Rinse mouth with water and obtain medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	no data available
<b>Risks:</b>	Refer to Section 2.2 "Hazard Statements"

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment:</b>	Refer to Section 2.2 "Response"
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## 5. Fire-Fighting measures

### 5.1 Extinguishing media

<b>Suitable:</b>	Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam
<b>Unsuitable</b>	Do not use a direct water jet on burning material

### 5.2 Special hazards arising from the substance or mixture

<b>During fire fighting:</b>	Water may be ineffective
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### 5.3 Advice for firefighters

<b>Further information:</b>	Standard procedure for chemical fires
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# Safety Data Sheet

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## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### 6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

### 6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### 6.4 Reference to other sections

Not Applicable

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

### 7.3 Specific end uses

No information available

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Exposure Limits:** Contains no substances with occupational exposure limit values

**Engineering Controls:** Use local exhaust as needed.

### 8.2 Exposure controls - Personal protective equipment

**Eye protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

**Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

**Skin protection:** Avoid Skin contact. Use chemically resistant gloves as needed.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Conforms to Standard

**Odor:** Conforms to Standard

**Color:** Colorless

**Viscosity:** Liquid

**Freezing Point:** Not determined

**Boiling Point:** Not determined

# Safety Data Sheet

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<b>Melting Point:</b>	Not determined
<b>Flashpoint:</b>	131 F (55.00 C)
<b>Auto flammability:</b>	Not determined
<b>Explosive Properties:</b>	None Expected
<b>Oxidizing properties:</b>	None Expected
<b>Vapor Pressure (mmHg@20 C):</b>	0.6626
<b>%VOC:</b>	63.56
<b>Specific Gravity @ 25 C:</b>	0.8770
<b>Density @ 25 C:</b>	0.8740
<b>Refractive Index @ 20 C:</b>	1.4690
<b>Soluble in:</b>	Not determined

## 10. Stability and Reactivity

<b>10.1 Reactivity</b>	None
<b>10.2 Chemical stability</b>	Stable
<b>10.3 Possibility of hazardous reactions</b>	None known
<b>10.4 Conditions to avoid</b>	None known
<b>10.5 Incompatible materials</b>	Strong oxidizing agents, strong acids, and alkalis
<b>10.6 Hazardous decomposition products</b>	None known

## 11. Toxicological Information

### 11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<b>Acute toxicity - Oral - mg/kg</b>	(LD50: 4,064.23) May be harmful if swallowed
<b>Acute toxicity - Dermal - mg/kg</b>	(LD50: 5,247.57) Not classified - the classification criteria are not met
<b>Acute toxicity - Inhalation - mg/L/4hr</b>	(LC50: 240.56) May be harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes skin irritation
<b>Serious eye damage / irritation</b>	Not classified - the classification criteria are not met
<b>Respiratory sensitization</b>	Not classified - the classification criteria are not met
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	Not classified - the classification criteria are not met
<b>Carcinogenicity</b>	Not classified - the classification criteria are not met
<b>Reproductive toxicity</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - single exposure</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways

# Safety Data Sheet

Product: **Blood Orange Fragrance Oil**

## 12. Ecological Information

### 12.1 Toxicity

Acute aquatic toxicity	Not classified - the classification criteria are not met
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects
Toxicity Data on soil	no data available
Toxicity on other organisms	no data available

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 Other adverse effects no data available

## 13. Disposal Conditions

### 13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

## 14. Transport Information

Regulator		Class	Pack Group	Sub Risk	UN-nr.
<b>U.S. DOT (Non-Bulk)</b>		Not Regulated - Not Dangerous Goods			
Chemicals NOI					
<b>ADR/RID (International Road/Rail)</b>					
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082
<b>IATA (Air Cargo)</b>					
Perfumery Products		3	III	Flammable Liquid	UN1266
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082
<b>IMDG (Sea)</b>					
Perfumery Products		3	III	Flammable Liquid	UN1266
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082

## 15. Regulatory Information

### Additional European Regulations:

European Union (EINECS, ELINCS or NLP): 100.00% (by Wt) of the components are listed or exempt.

### Additional Asian Regulations:

Australian AICS: 100.00% (by Wt) of the ingredients on AICS or notified.

# Safety Data Sheet

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<b>Chinese IECS:</b>	100.00% (by Wt) of the ingredients on IECS.
<b>Japan ENCS:</b>	99.99% (by Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.
<b>Korea KECL:</b>	99.97% (by Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.
<b>New Zealand NZIoC:</b>	99.99% (by Wt) of the ingredients on NZIoc.
<b>Philippines PICCS:</b>	100.00% (by Wt) of the ingredients on PICCS.

**The Status of the following ingredient(s) is NOT known for the registration lists noted;**

**Lists noted within <> brackets after name**

6485-40-1	229-352-5	0.01 - 0.1%	l-Carvone : < KECL>
59323-76-1	261-699-8	0.01 - 0.1%	cis-2-Methyl-4-propyl-1,3-oxathiane : < ENCS>

## 16. Other Information

**GHS H-Statements referred to under section 3**

**Total Fractional Values**

(TFV) Risk	(TFV) Risk
(6.30) Aspiration Hazard, Category 1	(6.82) Skin Corrosion/Irritation, Category 2
(63.00) Sensitization, Skin, Category 1	(2.54) Aquatic Chronic Toxicity, Category 1

**Department E-mail address:** support@zenaroma.co.nz

**Remarks**

This safety data sheet is based on the properties of the material known to Zen Aroma at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Zen Aroma holds no responsibility. This document is not intended for quality assurance purposes.