

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Mango Papaya :  
UFI 6WRV-22R0-N00N-AEK4 :  
Product code 32414F  
Type of product : Perfumes, fragrances  
Product group : Finished Good

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Industrial  
Use of the substance/mixture : Perfumes, fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

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

ZEN AROMA  
22c Portside Drive  
Mt Maunganui, 3116  
New Zealand  
PH: 07 578 4755  
support@zenaroma.co.nz

#### 1.4. Emergency telephone number

Emergency number 0800 764 766 NZ Poisons Centre

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302  
Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Hazardous ingredients :

Benzyl benzoate; d-Limonene; Orange Oil

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Hazard statements (CLP)	: H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl benzoate	(CAS-No.) 120-51-4 (EC-No.) 204-402-9 (EC Index-No.) 607-085-00-9 (REACH-no) 01-2119976371-33	32.88 – 52.88	Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
Orange Oil	(CAS-No.) 8028-48-6 (EC-No.) 232-433-8	2 – 4	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
d-Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119493353-35	1.32 – 2.64	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl acetate substance with a Community workplace exposure limit	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5 (REACH-no) 01-2119475103-46	0.44 – 0.88	Flam. Liq. 1, H224 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/... If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Wash skin with plenty of water, Call a physician immediately on this label). Wash contaminated clothing before reuse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
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Emergency procedures	: Ventilate area.
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### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable. Keep away from heat, sparks and flame. No smoking.
Precautions for safe handling	: Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Keep in fireproof place. Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: 25 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Store in a closed container.
Packaging materials	: Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl acetate (141-78-6)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
IOELV STEL (ppm)	400 ppm
Austria - Occupational Exposure Limits	
MAK (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
MAK (ppm)	200 ppm
MAK Short time value (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
MAK Short time value (ppm)	400 ppm

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<b>Ethyl acetate (141-78-6)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Limit value (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
Limit value (ppm)	200 ppm
Short time value (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
Short time value (ppm)	400 ppm
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
GVI (granična vrijednost izloženosti) (ppm)	200 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	400 ppm
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm
<b>Czech Republic - Occupational Exposure Limits</b>	
Expoziční limity (PEL) (mg/m <sup>3</sup> )	700 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	150 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
OEL TWA (ppm)	150 ppm
OEL STEL (mg/m <sup>3</sup> )	1100 mg/m <sup>3</sup>
OEL STEL (ppm)	300 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	730 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	200 ppm
HTP-arvo (15 min)	1470 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	400 ppm
<b>France - Occupational Exposure Limits</b>	
VME (mg/m <sup>3</sup> )	1400 mg/m <sup>3</sup>
VME (ppm)	400 ppm

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<b>Ethyl acetate (141-78-6)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	730 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Gibraltar - Occupational Exposure Limits</b>	
Eight hours mg/m <sup>3</sup>	200 mg/m <sup>3</sup>
Eight hours ppm	734 ppm
Short-term mg/m <sup>3</sup>	400 mg/m <sup>3</sup>
Short-term ppm	1468 ppm
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK-érték	734 mg/m <sup>3</sup>
CK-érték	1468 mg/m <sup>3</sup>
OEL chemical category (HU)	Sensitizer
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	200 ppm
OEL (15 min ref) (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL (15 min ref) (ppm)	400 ppm
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
OEL TWA (ppm)	54 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
IPRV (ppm)	150 ppm
NRV (mg/m <sup>3</sup> )	1100 mg/m <sup>3</sup>
NRV (ppm)	300 ppm
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm

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<b>Ethyl acetate (141-78-6)</b>	
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
NDSCh (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA (ppm)	400 ppm
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	400 mg/m <sup>3</sup>
OEL TWA (ppm)	111 ppm
OEL STEL (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
OEL STEL (ppm)	139 ppm
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (priemerná) (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
NPHV (priemerná) (ppm)	200 ppm
NPHV (Hraničná) (mg/m <sup>3</sup> )	1100 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
OEL STEL (ppm)	400 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
VLA-ED (ppm)	200 ppm
VLA-EC (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
VLA-EC (ppm)	400 ppm
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	150 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	1100 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	300 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m <sup>3</sup> )	1468 mg/m <sup>3</sup>
WEL STEL (ppm)	400 ppm
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdier (AN) (mg/m <sup>3</sup> )	734 mg/m <sup>3</sup>
Grenseverdier (AN) (ppm)	200 ppm

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<b>Ethyl acetate (141-78-6)</b>	
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	917.5 mg/m <sup>3</sup> (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	250 ppm (value calculated)
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	730 mg/m <sup>3</sup>
MAK (ppm)	200 ppm
KZGW (mg/m <sup>3</sup> )	1460 mg/m <sup>3</sup>
KZGW (ppm)	400 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (ppm)	400 ppm
<b>d-Limonene (5989-27-5)</b>	
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	25 ppm
HTP-arvo (15 min)	280 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	50 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	28 mg/m <sup>3</sup>
OEL TWA (ppm)	5 ppm
OEL STEL (mg/m <sup>3</sup> )	112 mg/m <sup>3</sup>
OEL STEL (ppm)	20 ppm
OEL chemical category (SI)	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	168 mg/m <sup>3</sup>
VLA-ED (ppm)	30 ppm
OEL chemical category (ES)	Sensitizer, skin - potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdier (AN) (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
Grenseverdier (AN) (ppm)	25 ppm
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	175 mg/m <sup>3</sup> (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	37.5 ppm (value calculated)
OEL chemical category (NO)	Sensitizing substance
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	40 mg/m <sup>3</sup>
MAK (ppm)	7 ppm



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### d-Limonene (5989-27-5)

KZGW (mg/m <sup>3</sup> )	80 mg/m <sup>3</sup>
KZGW (ppm)	14 ppm
OEL chemical category (CH)	Sensitizer

### 8.2. Exposure controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

**Personal protective equipment:**

Avoid all unnecessary exposure.

**Hand protection:**

Wear protective gloves.

**Eye protection:**

Chemical goggles or safety glasses. Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

Wear appropriate mask

**Personal protective equipment symbol(s):****Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light yellow. amber.
Odour	: Fruity.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 63 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Combustible liquid, Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1.17

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Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture. Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Mango Papaya

ATE CLP (oral)	945.537 mg/kg bodyweight
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#### Ethyl acetate (141-78-6)

LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 18000 mg/kg
LC50 inhalation rat (ppm)	4000 ppm/4h

#### Benzyl benzoate (120-51-4)

LD50 oral rat	500 mg/kg
LD50 oral	1500 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg
LD50 dermal	4000 mg/kg bodyweight

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### d-Limonene (5989-27-5)

LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

### d-Limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

### Ethyl acetate (141-78-6)

LC50 fish 1	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### Benzyl benzoate (120-51-4)

LC50 fish 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l

### d-Limonene (5989-27-5)

LC50 fish 1	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

### 12.2. Persistence and degradability

#### Mango Papaya

Persistence and degradability	Not established.
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# Mango Papaya

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### BenzyI benzoate (120-51-4)

Persistence and degradability	May cause long-term adverse effects in the environment.
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### 12.3. Bioaccumulative potential

#### Mango Papaya

Bioaccumulative potential	Not established.
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### Ethyl acetate (141-78-6)

BCF fish 1	30
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Partition coefficient n-octanol/water (Log Pow)	0.6
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### BenzyI benzoate (120-51-4)

Partition coefficient n-octanol/water (Log Pow)	4
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Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082
UN-No. (ADN)	: UN 3082
UN-No. (RID)	: UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

# Mango Papaya

## Safety Data Sheet

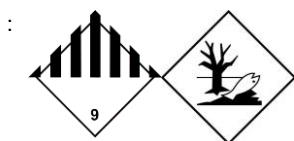
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene), 9, III, (E)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene), 9, III, MARINE POLLUTANT
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (d-Limonene), 9, III
Transport document description (ADN)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
Transport document description (RID)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

### 14.3. Transport hazard class(es)

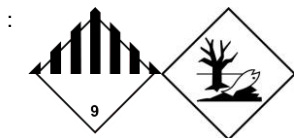
#### ADR

Transport hazard class(es) (ADR)	: 9
Danger labels (ADR)	: 9



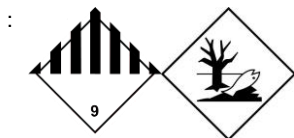
#### IMDG

Transport hazard class(es) (IMDG)	: 9
Danger labels (IMDG)	: 9



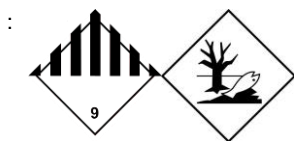
#### IATA

Transport hazard class(es) (IATA)	: 9
Danger labels (IATA)	: 9



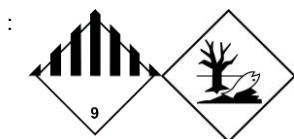
#### ADN

Transport hazard class(es) (ADN)	: 9
Danger labels (ADN)	: 9



#### RID

Transport hazard class(es) (RID)	: 9
Danger labels (RID)	: 9



### 14.4. Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III

# Mango Papaya

## Safety Data Sheet

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### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M6  
Special provisions (ADR) : 274, 335, 601, 375  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : E

#### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP2, TP29  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A

#### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197  
ERG code (IATA) : 9L

#### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601

# Mango Papaya

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Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Orange Oil is listed

SZW-lijst van mutagene stoffen : Orange Oil is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information : None.

# Mango Papaya

## Safety Data Sheet

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### Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Acute Tox. 4 (Oral)	H302
Skin Sens. 1	H317
Aquatic Chronic 2	H411

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H224	Extremely flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H336	May cause drowsiness or dizziness.
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.

Safety Data Sheet (SDS), New Zealand

The data contained in this Safety Data Sheet is accurate to the best knowledge of Zen Aroma applies to the product as supplied by Zen Aroma and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does Zen Aroma assume responsibility for use or reliance upon this data.

This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact support@zenaroma.co.nz