

# Tropical Fruits CC-13057

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment  
Regulation (EU) 2015/830 Issue date: 3/22/2016 Revision date: 4/2/2020  
Supersedes: 5/17/2019 Version: 2.0

# CandleCraft

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

### 1.1. Product identifier

Product form : Mixture  
Product name : Tropical Fruits  
UFI : YXE2-G20F-800X-A6Q8  
Product code : CC-13057  
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

Candle Craft  
Weiherwiese 10  
65510 Idstein - Germany  
T 49-6126-9363 -0  
info@candlecraft.de - www.candlecraft.de

### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China: +400-120-0751; Mexico: +01-800-099-0731;  
Brazil: +0-800-591-6042; India: +000-800-100-4086

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

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

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

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazardous ingredients : Hexyl cinnamic aldehyde; Lemon oil  
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.  
H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

### 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]
Hexyl cinnamic aldehyde	(CAS-No.) 101-86-0 (EC-No.) 202-983-3 (REACH-no) 01-2119533092-50	1.625 – 3.25	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Aldehyde C-14	(CAS-No.) 104-67-6 (EC-No.) 203-225-4 (REACH-no) 01-2119959333-34	1.5 – 3	Aquatic Chronic 3, H412
Verdorex	(CAS-No.) 88-41-5 (EC-No.) 201-828-7 (REACH-no) 01-2119970713-33	1.15 – 2.3	Aquatic Chronic 2, H411
Benzyl acetate	(CAS-No.) 140-11-4 (EC-No.) 205-399-7 (REACH-no) 01-2119638272-42	0.85 – 1.7	Aquatic Chronic 3, H412
Terpineol	(CAS-No.) 8000-41-7 (EC-No.) 232-268-1	0.75 – 1.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Lemon oil	(CAS-No.) 8008-56-8 (EC-No.) 284-515-8;616-925-3	0.6 – 1.2	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Aldehyde C-16	(CAS-No.) 77-83-8 (EC-No.) 201-061-8 (REACH-no) 01-2119967770-28	0.35 – 0.7	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Allyl caproate	(CAS-No.) 123-68-2 (EC-No.) 204-642-4 (REACH-no) 01-2119983573-26	0.2 – 0.4	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Isoamyl acetate substance with a Community workplace exposure limit	(CAS-No.) 123-92-2 (EC-No.) 204-662-3 (EC Index-No.) 607-130-00-2 (REACH-no) 01-2119548408-32	0.2 – 0.4	Flam. Liq. 3, H226
Lime oil distilled	(CAS-No.) 8008-26-2 (EC-No.) 290-010-3;616-919-0	0.2 – 0.4	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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2-Hydroxybenzoic acid, benzyl ester	(CAS-No.) 118-58-1 (EC-No.) 204-262-9 (REACH-no) 01-2119969442-31	0.125 – 0.25	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Citronellol Pure	(CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23	0.11375 – 0.2275	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Rose oxide	(CAS-No.) 16409-43-1 (EC-No.) 240-457-5	0.1055 – 0.211	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361
Spearmint oil	(CAS-No.) 8008-79-5 (EC-No.) 616-927-4	0.05 – 0.1	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)	(CAS-No.) 24720-09-0 (EC-No.) 246-430-4	0.05 – 0.1	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
Diphenyl oxide substance with a Community workplace exposure limit	(CAS-No.) 101-84-8 (EC-No.) 202-981-2 (REACH-no) 01-2119472545-33	0.001 – 0.002	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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).
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.
First-aid measures after skin contact	: 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. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash 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 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.

### 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.
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- 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.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 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".  
Emergency procedures : Ventilate area.

### 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.

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

- 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. Wear personal protective equipment. No open flames. No smoking. Avoid breathing fume, mist, spray. 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. Avoid contact with skin and eyes.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. 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 in fireproof place. Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.  
Incompatible products : Strong bases. Strong acids.

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Incompatible materials	: Heat sources. Sources of ignition. Direct sunlight.
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

#### Isoamyl acetate (123-92-2)

##### EU - Occupational Exposure Limits

IOELV TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
IOELV TWA (ppm)	50 ppm
IOELV STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
IOELV STEL (ppm)	100 ppm

##### Austria - Occupational Exposure Limits

MAK (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (Pentyl acetate (all isomers))
MAK (ppm)	50 ppm (Pentyl acetate (all isomers))
MAK Short time value (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (Pentylacetate)
MAK Short time value (ppm)	100 ppm (Pentylacetate)

##### Belgium - Occupational Exposure Limits

Limit value (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Limit value (ppm)	50 ppm
Short time value (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Short time value (ppm)	100 ppm

##### Bulgaria - Occupational Exposure Limits

OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm

##### Croatia - Occupational Exposure Limits

GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
GVI (granična vrijednost izloženosti) (ppm)	50 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm

##### Cyprus - Occupational Exposure Limits

OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm

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<b>Isoamyl acetate (123-92-2)</b>	
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	271 mg/m <sup>3</sup> (Amyl acetate, all isomers)
Grænseværdie (langvarig) (ppm)	50 ppm (Amyl acetate, all isomers)
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (Pentyl acetate)
HTP-arvo (8h) (ppm)	50 ppm (Pentyl acetate)
HTP-arvo (15 min)	540 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	100 ppm
<b>France - Occupational Exposure Limits</b>	
VME (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (restrictive limit)
VME (ppm)	50 ppm (restrictive limit)
VLE (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (restrictive limit)
VLE (ppm)	100 ppm (restrictive limit)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Occupational exposure limit value (ppm)	50 ppm
<b>Gibraltar - Occupational Exposure Limits</b>	
Eight hours mg/m <sup>3</sup>	270 mg/m <sup>3</sup>
Eight hours ppm	50 ppm
Short-term mg/m <sup>3</sup>	540 mg/m <sup>3</sup>
Short-term ppm	100 ppm
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
OEL TWA (ppm)	100 ppm
OEL STEL (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
OEL STEL (ppm)	150 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK-érték	270 mg/m <sup>3</sup>
CK-érték	540 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	50 ppm
OEL (15 min ref) (mg/m <sup>3</sup> )	520 mg/m <sup>3</sup>
OEL (15 min ref) (ppm)	100 ppm

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<b>Isoamyl acetate (123-92-2)</b>	
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
IPRV (ppm)	50 ppm
TPRV (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
TPRV (ppm)	100 ppm
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
NDSch (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (indicative limit value)
OEL TWA (ppm)	50 ppm (indicative limit value)
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (indicative limit value)
OEL STEL (ppm)	100 ppm (indicative limit value, regulated under Pentyl acetate, all isomers)
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (priemerná) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>

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NPHV (priemerná) (ppm)	50 ppm
NPHV (Hraničná) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (indicative limit value)
VLA-ED (ppm)	50 ppm (indicative limit value)
VLA-EC (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
VLA-EC (ppm)	100 ppm
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (Pentyl acetates)
nivågränsvärde (NVG) (ppm)	50 ppm (Pentyl acetates)
kortidsvärde (KTV) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (Pentyl acetates)
kortidsvärde (KTV) (ppm)	100 ppm (Pentyl acetates)
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdier (AN) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Grenseverdier (AN) (ppm)	50 ppm
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup> (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	75 ppm (value calculated)
<b>Turkey - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (ppm)	50 ppm (Pentyl acetate, all isomers)
ACGIH STEL (ppm)	100 ppm (Pentyl acetate, all isomers)

### Benzyl acetate (140-11-4)

<b>Belgium - Occupational Exposure Limits</b>	
Limit value (mg/m <sup>3</sup> )	62 mg/m <sup>3</sup>
Limit value (ppm)	10 ppm
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	61 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	10 ppm
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (ppm)	10 ppm
OEL (15 min ref) (ppm)	30 ppm (calculated)

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<b>Benzyl acetate (140-11-4)</b>	
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA (ppm)	10 ppm
OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
OEL TWA (ppm)	8 ppm
OEL STEL (mg/m <sup>3</sup> )	80 mg/m <sup>3</sup>
OEL STEL (ppm)	13 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	62 mg/m <sup>3</sup>
VLA-ED (ppm)	10 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (ppm)	10 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen

<b>Diphenyl oxide (101-84-8)</b>	
<b>EU - Occupational Exposure Limits</b>	
IOELV TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
IOELV TWA (ppm)	1 ppm
IOELV STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
IOELV STEL (ppm)	2 ppm
<b>Austria - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
MAK (ppm)	1 ppm
MAK Short time value (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
MAK Short time value (ppm)	2 ppm
<b>Belgium - Occupational Exposure Limits</b>	
Limit value (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup> (vapor)
Limit value (ppm)	1 ppm (vapor)
Short time value (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup> (vapor)
Short time value (ppm)	2 ppm (vapor)
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm

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<b>Diphenyl oxide (101-84-8)</b>	
<b>Croatia - Occupational Exposure Limits</b>	
GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
GVI (granična vrijednost izloženosti) (ppm)	1 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	2 ppm
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Czech Republic - Occupational Exposure Limits</b>	
Expoziční limity (PEL) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	1 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	1 ppm
HTP-arvo (15 min)	14 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	2 ppm
<b>France - Occupational Exposure Limits</b>	
VME (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
VME (ppm)	1 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	7.1 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)
Occupational exposure limit value (ppm)	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)
<b>Gibraltar - Occupational Exposure Limits</b>	
Eight hours mg/m <sup>3</sup>	7 mg/m <sup>3</sup>
Eight hours ppm	1 ppm
Short-term mg/m <sup>3</sup>	14 mg/m <sup>3</sup>
Short-term ppm	200 ppm
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>

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<b>Diphenyl oxide (101-84-8)</b>	
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK-érték	7 mg/m <sup>3</sup>
CK-érték	14 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup> (vapour)
OEL (8 hours ref) (ppm)	1 ppm (vapour)
OEL (15 min ref) (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup> (vapour)
OEL (15 min ref) (ppm)	2 ppm (vapour)
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
IPRV (ppm)	1 ppm
TPRV (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
TPRV (ppm)	2 ppm
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
NDSch (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm (vapor)
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup> (indicative limit value)
OEL STEL (ppm)	2 ppm (indicative limit value-vapor)

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<b>Diphenyl oxide (101-84-8)</b>	
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OEL TWA (ppm)	0.7 ppm
OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OEL STEL (ppm)	1.4 ppm
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (priemerná) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
NPHV (priemerná) (ppm)	1 ppm
NPHV (Hraničná) (mg/m <sup>3</sup> )	7.1 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
OEL STEL (ppm)	2 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	7.1 mg/m <sup>3</sup> (vapor)
VLA-ED (ppm)	1 ppm (vapor)
VLA-EC (mg/m <sup>3</sup> )	14.2 mg/m <sup>3</sup> (vapor)
VLA-EC (ppm)	2 ppm (vapor)
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	1 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	2 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	7.1 mg/m <sup>3</sup> (vapour)
WEL TWA (ppm)	1 ppm (vapour)
WEL STEL (mg/m <sup>3</sup> )	21.3 mg/m <sup>3</sup> (calculated-vapour)
WEL STEL (ppm)	3 ppm (calculated-vapour)
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdier (AN) (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Grenseverdier (AN) (ppm)	1 ppm
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	14 mg/m <sup>3</sup> (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	2 ppm (value calculated)
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup> (aerosol, vapour)
MAK (ppm)	1 ppm (aerosol, vapour)
KZGW (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup> (aerosol, vapour)
KZGW (ppm)	1 ppm (aerosol, vapour)
OEL chemical category (CH)	Category 2 developmental toxin, Category 2 reproductive toxin

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### Diphenyl oxide (101-84-8)

#### USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	1 ppm (vapor)
ACGIH STEL (ppm)	2 ppm (vapor fraction)

### 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	: characteristic.
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	: 85 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.93

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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

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

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Allyl caproate (123-68-2)

LD50 oral	300 mg/kg bodyweight
LD50 dermal	300 mg/kg bodyweight
LC50 inhalation rat (Vapours - mg/l/4h)	3 mg/l/4h

#### Rose oxide (16409-43-1)

LD50 oral rat	4300 mg/kg
LD50 oral	4300 mg/kg bodyweight

#### Benzyl acetate (140-11-4)

LD50 oral rat	2490 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

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### **Terpineol (8000-41-7)**

LD50 oral rat	2900 mg/kg
LD50 oral	4300 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg

### **Citronellol Pure (106-22-9)**

LD50 oral rat	3450 mg/kg
LD50 oral	3450 mg/kg bodyweight
LD50 dermal rabbit	2650 mg/kg
LD50 dermal	2650 mg/kg bodyweight

### **Spearmint oil (8008-79-5)**

LD50 oral rat	5 g/kg
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### **Verdox (88-41-5)**

LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight

### **Aldehyde C-16 (77-83-8)**

LD50 oral rat	5470 mg/kg
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### **Aldehyde C-14 (104-67-6)**

LD50 oral rat	18500 mg/kg
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### **Hexyl cinnamic aldehyde (101-86-0)**

LD50 oral rat	3100 mg/kg
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

### **2-Hydroxybenzoic acid, benzyl ester (118-58-1)**

LD50 oral rat	2227 mg/kg
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg

### **Diphenyl oxide (101-84-8)**

LD50 oral rat	2450 mg/kg
LD50 oral	2830 mg/kg bodyweight
LD50 dermal rabbit	> 7940 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1.5 mg/l/4h

### **Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) (24720-09-0)**

LD50 oral	1670 mg/kg bodyweight
LD50 dermal	2900 mg/kg bodyweight

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### Lemon oil (8008-56-8)

LD50 oral rat	2840 mg/kg
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### Lime oil distilled (8008-26-2)

LD50 oral rat	> 5 g/kg
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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

### Benzyl acetate (140-11-4)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
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STOT-single exposure	: Not classified
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STOT-repeated exposure	: Not classified
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Aspiration hazard	: Not classified
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Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
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Hazardous to the aquatic environment, short-term (acute)	: Not classified
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Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
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### Allyl caproate (123-68-2)

LC50 fish 1	0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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### Aldehyde C-16 (77-83-8)

LC50 fish 1	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
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### Aldehyde C-14 (104-67-6)

LC50 fish 1	569 mg/l 96 h
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EC50 Daphnia 1	5.85 mg/l 48 h
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EC50 other aquatic organisms 1	5.94 mg/l 72 h
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### 2-Hydroxybenzoic acid, benzyl ester (118-58-1)

LC50 fish 1	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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# Tropical Fruits CC-13057

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### 12.2. Persistence and degradability

#### Tropical Fruits CC-13057

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### Tropical Fruits CC-13057

Bioaccumulative potential	Not established.
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#### Benzyl acetate (140-11-4)

Partition coefficient n-octanol/water (Log Pow)	1.96
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#### Diphenyl oxide (101-84-8)

BCF fish 1	470
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Partition coefficient n-octanol/water (Log Pow)	4.2
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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 of contents/container in accordance with local/national laws and regulations. Dispose in a safe manner in accordance with local/national 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)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

# Tropical Fruits CC-13057

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### 14.3. Transport hazard class(es)

**ADR**

Transport hazard class(es) (ADR) : Not applicable

**IMDG**

Transport hazard class(es) (IMDG) : Not applicable

**IATA**

Transport hazard class(es) (IATA) : Not applicable

**ADN**

Transport hazard class(es) (ADN) : Not applicable

**RID**

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

**Rail transport**

Not applicable

### 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on
3(a)	Isoamyl acetate ; Lime oil distilled ; Lemon oil ; Spearmint oil
3(b)	Tropical Fruits CC-13057 ; Hexyl cinnamic aldehyde ; Allyl caproate ; Rose oxide ; Lime oil distilled ; Lemon oil ; Citronellol Pure ; 2-Hydroxybenzoic acid, benzyl ester ; Aldehyde C-16 ; Spearmint oil ; Terpineol ; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)
3(c)	Tropical Fruits CC-13057 ; Hexyl cinnamic aldehyde ; Aldehyde C-14 ; Verdox ; Allyl caproate ; Lime oil distilled ; Lemon oil ; 2-Hydroxybenzoic acid, benzyl ester ; Benzyl acetate ; Aldehyde C-16 ; Spearmint oil
40.	Isoamyl acetate ; Lime oil distilled ; Lemon oil ; Spearmint oil

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

# Tropical Fruits CC-13057

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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

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly 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 : Lemon oil ,Terpineol are listed

SZW-lijst van mutagene stoffen : Lemon oil ,Terpineol are 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

#### 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  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information : None.

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

Skin Sens. 1	H317
Aquatic Chronic 3	H412

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

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1

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Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or the unborn child.
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.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.