# HANSAWAX<sup>™</sup>

# Duftöl: Mango & Mandarin

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/4/2023 Revision date: 1/10/2025 Supersedes version of: 12/30/2024 Version: 2.0

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

### **1.1. Product identifier**

Product form	: Mixture
Trade name	: Duftöl: Mango & Mandarin
UFI	: 71VX-C849-A00M-XGS0
Product code	:
Type of product	: Perfumes, fragrances
Product group	: Trade product

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

#### 1.2.1. Relevant identified uses

Main use category	: Professional use, Industrial use
Industrial/Professional use spec	: Industrial
	For professional use only
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**

#### 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] Acute toxicity (oral), Category 4 H302 Skin corrosion/irritation, Category 2 H315 Skin sensitisation, Category 1 H317 Aspiration hazard, Category 1 H304 Hazardous to the aquatic environment - Acute Hazard, H400 Category 1 Hazardous to the aquatic environment - Chronic Hazard, H411 Category 2 Full text of H- and EUH-statements: see section 16

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

Harmful if swallowed. Causes skin irritation. May be fatal if swallowed and enters airways. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 2.2. Label elements

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

Hazard pictograms (CLP)	
	GHS07 GHS08 GHS09
Signal word (CLP)	: Danger
Contains	: benzyl benzoate; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene; Linalool; Triplal (Vertocitral)
Hazard statements (CLP)	: H302 - Harmful if swallowed.
	H304 - May be fatal if swallowed and enters airways.
	H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	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 protective gloves/protective clothing/eye protection/face protection/hearing
	protection.
Extra phrases	: For professional users only.
2.3. Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### 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	21.8 – 43.5008	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	14.3 – 28.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353- 35	7.1 – 14.25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	2.9 – 5.7	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Dimethylbenzyl carbinyl butyrate(DMBCB)	CAS-No.: 10094-34-5 EC-No.: 233-221-8 REACH-no: 01-2120742578- 44	1.9 – 3.85	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	0.3 – 0.6	Aquatic Chronic 3, H412
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.1 – 0.167	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.0004	Aquatic Chronic 3, H412
isopentyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit Full text of H- and FUH-statements: see section 16	CAS-No.: 123-92-2 EC-No.: 204-662-3 EC Index-No.: 607-130-00-2 REACH-no: 01-2119548408- 32	0 – 0.0001	Flam. Liq. 3, H226

Full text of H- and EUH-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 physician immediately.
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/ Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: 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. Call a POISON CENTER/doctor if you feel unwell. Immediately call a POISON CENTER/doctor. Obtain emergency medical attention. Do not induce vomiting. Call a physician immediately.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

4.2. Most important symptoms and e	ffects, 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	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. May be fatal if swallowed and enters airways. Risk of lung oedema.
	-

#### 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 Unsuitable extinguishing media	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the subs	tance or 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 measure	s
6.1. Personal precautions, protective equipm	ent and emergency procedures
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	

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

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

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Ensure good ventilation of the work station. No open flames. No smoking. 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 breathing dust/fume/gas/mist/vapours/spray. 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	7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store locked up. Store in a well- ventilated place. Keep cool.		
Incompatible products	: Strong bases. Strong acids.		
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.		
Switzerland			
Storage class (LK)	: LK 6.1 - Toxic materials		

7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	140 mg/m³	
	25 ppm	
HTP (OEL STEL)	280 mg/m³	
	50 ppm	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA)	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	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	
Slovenia - Occupational Exposure Limits		
OEL TWA	28 mg/m³	
	5 ppm	
OEL STEL	112 mg/m³	
	20 ppm	

## Safety Data Sheet

(R)-p-mentha-1,8-diene; d-limonene (5989-27-	(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
OEL chemical category	Potential for cutaneous absorption		
Spain - Occupational Exposure Limits	Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	168 mg/m³		
	30 ppm		
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA)	140 mg/m <sup>3</sup>		
	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
	37.5 ppm (value calculated)		
OEL chemical category	Allergenic substance		
Switzerland - Occupational Exposure Limits			
MAK (OEL TWA)	40 mg/m³		
	7 ppm		
KZGW (OEL STEL)	80 mg/m <sup>3</sup>		
	14 ppm		
OEL chemical category	Sensitizer		
Benzyl acetate (140-11-4)			
Belgium - Occupational Exposure Limits			
OEL TWA	62 mg/m³		
	10 ppm		
Denmark - Occupational Exposure Limits	·		
OEL TWA	61 mg/m <sup>3</sup>		
	10 ppm		
OEL STEL	122 mg/m <sup>3</sup>		
	20 ppm		
Ireland - Occupational Exposure Limits			
OEL TWA	10 ppm		
OEL STEL	30 ppm (calculated)		
Latvia - Occupational Exposure Limits			
OEL TWA	5 mg/m³		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	5 mg/m³		
Portugal - Occupational Exposure Limits			
OEL TWA	10 ppm		
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen		
Romania - Occupational Exposure Limits			
OEL TWA	50 mg/m³		
	8 ppm		

## Safety Data Sheet

Benzyl acetate (140-11-4)		
OEL STEL	80 mg/m <sup>3</sup>	
	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	62 mg/m³	
	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Alcohol C-10 (112-30-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m <sup>3</sup>	
Germany - Occupational Exposure Limits (TRGS 90		
AGW (OEL TWA)	$66\ \text{mg/m}^3$ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Lithuania - Occupational Exposure Limits	·	
IPRV (OEL TWA)	10 mg/m³	
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
	15 ppm	
OEL STEL	200 mg/m <sup>3</sup>	
	30 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	66 mg/m³ (aerosol, vapour)	
	10 ppm (aerosol, vapour)	
KZGW (OEL STEL)	66 mg/m³ (aerosol, vapour)	
	10 ppm (aerosol, vapour)	
isopentyl acetate (123-92-2)		
EU - Indicative Occupational Exposure Limit (IOEL)	)	
IOEL TWA	270 mg/m <sup>3</sup>	
	50 ppm	
IOEL STEL	540 mg/m <sup>3</sup>	
	100 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	270 mg/m³ (Pentyl acetate (all isomers))	
	50 ppm (Pentyl acetate (all isomers))	
L	1	

## Safety Data Sheet

isopentyl acetate (123-92-2)			
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)		
	100 ppm (Pentylacetate)		
Belgium - Occupational Exposure Limits			
OEL TWA	270 mg/m <sup>3</sup>		
	50 ppm		
OEL STEL	540 mg/m <sup>3</sup>		
	100 ppm		
Bulgaria - Occupational Exposure Limits			
OEL TWA	270 mg/m <sup>3</sup>		
	50 ppm		
OEL STEL	540 mg/m <sup>3</sup>		
	100 ppm		
Croatia - Occupational Exposure Limits			
GVI (OEL TWA)	270 mg/m <sup>3</sup>		
	50 ppm		
KGVI (OEL STEL)	540 mg/m <sup>3</sup>		
	100 ppm		
Cyprus - Occupational Exposure Limits	Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³		
	50 ppm		
OEL STEL	540 mg/m <sup>3</sup>		
	100 ppm		
Denmark - Occupational Exposure Limits			
OEL TWA	271 mg/m³ (Amyl acetate, all isomers)		
	50 ppm (Amyl acetate, all isomers)		
OEL STEL	540 mg/m <sup>3</sup>		
	100 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
	50 ppm		
OEL STEL	540 mg/m <sup>3</sup>		
	100 ppm		
Finland - Occupational Exposure Limits			
HTP (OEL TWA)	270 mg/m³ (Pentyl acetate)		
	50 ppm (Pentyl acetate)		
HTP (OEL STEL)	540 mg/m³		
	100 ppm		
France - Occupational Exposure Limits			
VME (OEL TWA)	270 mg/m <sup>3</sup> (restrictive limit)		

## Safety Data Sheet

isopentyl acetate (123-92-2)		
	50 ppm (restrictive limit)	
VLE (OEL C/STEL)	540 mg/m³ (restrictive limit)	
	100 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (T	(RGS 900)	
AGW (OEL TWA)	270 mg/m <sup>3</sup>	
	50 ppm	
Gibraltar - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m <sup>3</sup>	
	100 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	530 mg/m³	
	100 ppm	
OEL STEL	800 mg/m <sup>3</sup>	
	150 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	270 mg/m³	
CK (OEL STEL)	540 mg/m <sup>3</sup>	
Ireland - Occupational Exposure Limits		
OEL TWA	260 mg/m <sup>3</sup>	
	50 ppm	
OEL STEL	520 mg/m <sup>3</sup>	
	100 ppm	
Italy - Occupational Exposure Limits		
OEL TWA	270 mg/m <sup>3</sup>	
	50 ppm	
OEL STEL	540 mg/m <sup>3</sup>	
	100 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	270 mg/m³	
	50 ppm	
TPRV (OEL STEL)	540 mg/m <sup>3</sup>	
	100 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	270 mg/m <sup>3</sup>	

## Safety Data Sheet

isopentyl acetate (123-92-2)	
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Malta - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Netherlands - Occupational Exposure Limits	
TGG-15min (OEL STEL)	530 mg/m <sup>3</sup>
	98.1 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	250 mg/m <sup>3</sup>
NDSCh (OEL STEL)	500 mg/m <sup>3</sup>
Portugal - Occupational Exposure Limits	
OEL TWA	270 mg/m³ (indicative limit value)
	50 ppm (indicative limit value (Pentyl acetate, all isomers)
OEL STEL	540 mg/m³ (indicative limit value)
	100 ppm (indicative limit value)
Romania - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	270 mg/m <sup>3</sup>
	50 ppm
NPHV (OEL C)	540 mg/m <sup>3</sup>
Slovenia - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	270 mg/m³ (indicative limit value)
	50 ppm (indicative limit value)
VLA-EC (OEL STEL)	540 mg/m <sup>3</sup>
- \	100 ppm
	···· · · · · · · · · · · · · · · · · ·

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

isopentyl acetate (123-92-2)		
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	270 mg/m³ (Pentyl acetates)	
	50 ppm (Pentyl acetates)	
KGV (OEL STEL)	540 mg/m³ (Pentyl acetates)	
	100 ppm (Pentyl acetates)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	260 mg/m <sup>3</sup>	
	50 ppm	
Korttidsverdi (OEL STEL)	325 mg/m³ (value calculated)	
	75 ppm (value calculated)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	260 mg/m³ (Pentyl acetate all isomers)	
	50 ppm (Pentyl acetate all isomers)	
KZGW (OEL STEL)	260 mg/m³ (Pentyl acetate all isomers)	
	50 ppm (Pentyl acetate all isomers)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	50 ppm (Pentyl acetate, all isomers)	
ACGIH OEL STEL	100 ppm (Pentyl acetate, all isomers)	

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses. Safety glasses

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection. Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### 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. Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable,Combustible liquid
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 60.1 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution concentration	: 1%
Viscosity, kinematic	: 20.5 mm²/s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 0.021278719 mm Hg (calculated value)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content

: 44.8896 % (calculated value)(CARB VOC) (%w/w)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **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.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Open flame. Overheating. Heat. Sparks. Direct sunlight. 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 hazard classes as defined	in Regulation (EC) No 1272/2008	
Acute toxicity (oral): Harmful if swallowed.Acute toxicity (dermal): Not classifiedAcute toxicity (inhalation): Not classified		
Duftöl: Mango & Mandarin		
ATE CLP (oral)	1149.404 mg/kg bodyweight	
benzyl benzoate (120-51-4)		
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)	
LD50 oral	1160 mg/kg bodyweight	
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)	
Orange oil (8008-57-9)		
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)	
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg	
Dimethylbenzyl carbinyl butyrate(DMBCB) (10094-34-5)		
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)	
Benzyl acetate (140-11-4)		
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
LD50 oral	2490 mg/kg bodyweight	

## Safety Data Sheet

Benzyl acetate (140-11-4)		
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)	
Triplal (Vertocitral) (68039-49-6)		
LD50 oral	2330 mg/kg	
Alcohol C-10 (112-30-1)		
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)	
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)	
LC50 Inhalation - Rat	> 71 mg/l (Exposure time: 1 h Source: ECHA_API)	
Skin corrosion/irritation       :         Serious eye damage/irritation       :         Additional information       :         Respiratory or skin sensitisation       :         Germ cell mutagenicity       :         Additional information       :         Carcinogenicity       :         Additional information       :         (R)-p-mentha-1,8-diene; d-limonene (5989-27)	Not classified Based on available data, the classification criteria are not met May cause an allergic skin reaction. Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
IARC group	3 - Not classifiable	
Benzyl acetate (140-11-4)		
IARC group	3 - Not classifiable	
Reproductive toxicity:Additional information:STOT-single exposure:Additional information:STOT-repeated exposure:Additional information:Additional information:Aspiration hazard:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met May be fatal if swallowed and enters airways.	
Aspiration hazard : May be fatal if swallowed and enters airways. Duftöl: Mango & Mandarin		
Viscosity, kinematic	20.5 mm <sup>2</sup> /s	
benzyl benzoate (120-51-4)		
Viscosity, kinematic	7.456 mm²/s	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
Hydrocarbon	Yes	
11.2. Information on other hazards		
<ul> <li>11.2.1. Endocrine disrupting properties</li> <li>No additional information available</li> <li>11.2.2. Other information</li> <li>Potential adverse human health effects and :</li> </ul>	Harmful if swallowed,Based on available data, the classification criteria are not met	
symptoms		

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general Ecology - water	<ul> <li>Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.</li> <li>Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.</li> </ul>

Safety Data Sheet

Hazardous to the aquatic environment, short–term : Very toxic to aquatic life. (acute) Hazardous to the aquatic environment, long–term : Toxic to aquatic life with long lasting effects. (chronic)		
benzyl benzoate (120-51-4)		
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	
NOEC (chronic)	0.168 mg/l	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)	
Linalool (78-70-6)		
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)	
Alcohol C-10 (112-30-1)		
LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)	
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
12.2. Persistence and degradability		
Duftöl: Mango & Mandarin		
Persistence and degradability	May cause long-term adverse effects in the environment. Not established.	
benzyl benzoate (120-51-4)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
Orange oil (8008-57-9)		
Persistence and degradability	Rapidly degradable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)	
Persistence and degradability	Rapidly degradable	
Linalool (78-70-6)		
Persistence and degradability	Rapidly degradable	
Dimethylbenzyl carbinyl butyrate(DMBCB) (10094-34-5)		
Persistence and degradability	Rapidly degradable	
Benzyl acetate (140-11-4)		
Persistence and degradability	Rapidly degradable	
Triplal (Vertocitral) (68039-49-6)		
Persistence and degradability	Rapidly degradable	
Alcohol C-10 (112-30-1)		
Persistence and degradability	Rapidly degradable	

## Safety Data Sheet

isopentyl acetate (123-92-2)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
Duftöl: Mango & Mandarin	
Bioaccumulative potential	Not established.
benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)
Dimethylbenzyl carbinyl butyrate(DMBCB) (10	0094-34-5)
Partition coefficient n-octanol/water (Log Pow)	4.7 (at 25 °C)
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)
Alcohol C-10 (112-30-1)	
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)
isopentyl acetate (123-92-2)	
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
Additional information :	Avoid release to the environment.

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods Product/Packaging disposal recommendations	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.</li> </ul>
Ecological information	: Avoid release to the environment. Hazardous waste due to toxicity.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

HP Code	<ul> <li>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.</li> <li>HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.</li> <li>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin</li> </ul>
	irritation or damage to the eye. HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one
SECTION 14: Transport information	or more sectors of the environment

ADR	IMDG	ΙΑΤΑ	ADN	RID
4.1. UN number or ID n	umber	'		
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
4.2. UN proper shippin	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)	Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Benzyl Benzoal
ransport document descr	iption			1
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Benzyl Benzoat 9, III
4.3. Transport hazard o	class(es)			
9	9	9	9	9
I4.4. Packing group	1			1
III	III	III	III	111
4.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary informatic	on available			
4.6. Special precaution	s for user			
verland transport lassification code (ADR) pecial provisions (ADR) imited quantities (ADR)	: M6	; 4, 335, 375, 601		
Excepted quantities (ADR)	: E1			

Packing instructions (ADR)

: P001, IBC03, LP01, R001

## Safety Data Sheet

	, 5 ( )
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR)	: MP19 : T4
Portable tank and bulk container instructions (ADK)	
(ADR)	. 161,1629
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)	
Hazard identification number (Kemler No.)	: 90
Orange plates	
	· <b>90</b>
	3082
Tunnal restriction and (ADD)	
Tunnel restriction code (ADR) EAC code	· - : •3Z
LAC code	52
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited guantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	
	·A
5 5 7 7	: A
	: A
Air transport	
Air transport PCA Excepted quantities (IATA)	: E1 : Y964
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	: E1
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA)	: E1 : Y964
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	: E1 : Y964 : 30kgG
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA)	: E1 : Y964 : 30kgG : 964
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	: E1 : Y964 : 30kgG : 964 : 450L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA)	: E1 : Y964 : 30kgG : 964 : 450L : 964
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA)	: E1 : Y964 : 30kgG : 964 : 450L : 964 : 450L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA)	: E1 : Y964 : 30kgG : 964 : 450L : 964 : 450L : 450L : A97, A158, A197, A215
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport	: E1 : Y964 : 30kgG : 964 : 450L : 964 : 450L : 450L : A97, A158, A197, A215
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA)	: E1 : Y964 : 30kgG : 964 : 450L : 964 : 450L : 450L : A97, A158, A197, A215
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport	: E1 : Y964 : 30kgG : 964 : 450L : 964 : 450L : A97, A158, A197, A215 : 9L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> <li>M6</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA max net quantity (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Number of blue cones/lights (ADN)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> K6
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA max net quantity (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Number of blue cones/lights (ADN) Special provisions (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Number of blue cones/lights (ADN) Special provisions (RID) Limited quantities (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Number of blue cones/lights (ADN) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Excepted quantities (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5L</li> <li>E1</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Excepted quantities (RID) Packing instructions (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul>
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Ruber of blue cones/lights (ADN) Number of blue cones/lights (ADN) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Excepted quantities (RID) Packing instructions (RID) Special packing provisions (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5L</li> <li>E1</li> <li>PD</li> <li>0</li> </ul> P1
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Excepted quantities (RID) Packing instructions (RID)	<ul> <li>E1</li> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> <li>9L</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5 L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul> M6 <ul> <li>274, 335, 375, 601</li> <li>5L</li> <li>E1</li> <li>T</li> <li>PP</li> <li>0</li> </ul>

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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	:	CW13, CW31
and handling (RID)		
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90

### 14.7. Maritime transport in bulk according to IMO instruments

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

#### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Orange oil ; (R)-p- mentha-1,8-diene; d- limonene ; isopentyl acetate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Duftöl: Mango & Mandarin ; benzyl benzoate ; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; Linalool ; Dimethylbenzyl carbinyl butyrate(DMBCB) ; Triplal (Vertocitral)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Duftöl: Mango & Mandarin ; benzyl benzoate ; Orange oil ; (R)-p-mentha-1,8-diene; d-limonene ; Dimethylbenzyl carbinyl butyrate(DMBCB) ; Benzyl acetate ; Triplal (Vertocitral) ; Alcohol C-10	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Orange oil ; (R)-p- mentha-1,8-diene; d- limonene ; isopentyl acetate	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### VOC Directive (2004/42)

VOC content

: 44.8896 % (calculated value)(CARB VOC) (%w/w)

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

#### France

Occupational diseases		
Code	Description	
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide	

#### Germany

Employment restrictions Water hazard class (WGK)	<ul> <li>Observe restrictions according Act on the Protection of Working Mothers (MuSchG).</li> <li>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).</li> <li>WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).</li> </ul>
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject to the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
ABM category	: A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: Orange oil ,Triplal (Vertocitral) are listed
SZW-lijst van mutagene stoffen	: Orange oil ,Triplal (Vertocitral) are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische 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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## SECTION 16: Other information

Other information

: None.

Full text of H- and E	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 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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
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.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

#### The classification complies with

### : ATP 12

Safety Data Sheet (SDS), EU

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.