

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 4/15/2021 Revision date: 9/22/2023 Version: 1.0

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

1.1. Product identifier

Product form	: Mixture
Trade name	: COCA COLA #EU28432F
UFI	: 61RH-N288-1001-8257
Product code	: EU28432F
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

FRENCH COLOR & FRAGRANCE International GmbH Mittlerer Weg 35 DE-79424 Auggen Germany T 49-7631-931-8900 SDS@frenchcolor.com - www.frenchcolor.com

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 corrosion/irritation, Category 2	

Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 1A	H360
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements; see section 16	

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects. May damage fertility or the unborn child. Causes skin irritation. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

H315

2.2. Label elements

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

Hazard pictograms (CLP)



Safety Data Sheet

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

Contains	 Lime oil distilled ; Cinnamic aldehyde; Lemon oil ; Eugenol; Citral; Bergamot oil; Neryl acetate; Geranyl acetate
Hazard statements (CLP)	: H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H360 - May damage fertility or the unborn child.
	H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use.
	P202 - Do not handle until all safety precautions have been read and understood.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P272 - Contaminated work clothing should not be allowed out of the workplace.
	P273 - Avoid release to the environment.
Extra phrases	: For professional users only.

2.3. Other hazards

Contains no PBT/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 is 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] CAS-No.: 8008-26-2 Lime oil distilled 3.5 – 7 Flam. Liq. 3, H226 EC-No.: 290-010-3 Skin Irrit. 2, H315 REACH-no: 01-2120138646-Skin Sens. 1, H317 51 Repr. 1A, H360FD Asp. Tox. 1, H304 Aquatic Chronic 1, H410 CAS-No.: 104-55-2 2.3 – 4.55 Acute Tox. 4 (Dermal), H312 Cinnamic aldehyde EC-No.: 203-213-9 Skin Irrit. 2, H315 REACH-no: 01-2119935242-Eye Irrit. 2, H319 45 Skin Sens. 1, H317 Aquatic Chronic 3, H412 0.7 – 1.4 Lemon oil CAS-No.: 8008-56-8 Flam. Liq. 3, H226 EC-No.: 284-515-8 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411 CAS-No.: 8000-41-7 0.7 - 1.4Skin Irrit. 2, H315 Terpineol EC-No.: 232-268-1 Eye Irrit. 2, H319 Eugenol CAS-No.: 97-53-0 0.7 – 1.4 Acute Tox. 4 (Oral), H302 EC-No.: 202-589-1 Eye Irrit. 2, H319 REACH-no: 01-2119971802-Skin Sens. 1B, H317 33

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]
Citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23	0.4 – 0.7	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Bergamot oil	CAS-No.: 8007-75-8 EC-No.: 289-612-9	0.4 – 0.7	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Neryl acetate	CAS-No.: 141-12-8 EC-No.: 205-459-2	0.3 – 0.55	Skin Sens. 1B, H317
Geranyl acetate	CAS-No.: 105-87-3 EC-No.: 203-341-5 REACH-no: 01-2119973480- 35	0.2 – 0.4	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 127-91-3 EC-No.: 204-872-5	0.04 – 0.2	Flam. Liq. 3, H226
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	0.04 - 0.2	Flam. Liq. 3, H226
Camphene	CAS-No.: 79-92-5 EC-No.: 201-234-8	0.1 – 0.15	Flam. Sol. 2, H228 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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	0.02 – 0.08	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
p-Cymene substance with national workplace exposure limit(s) (DK, EE, LT, LV, SE)	CAS-No.: 99-87-6 EC-No.: 202-796-7 EC Index-No.: 601-094-00-1	0.004 - 0.04	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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	: If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest.
First-aid measures after skin contact	: If skin irritation occurs: Get medical advice/attention. 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	: Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

Safety Data Sheet

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

First-aid measures after ingestion	: 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 Symptoms/effects after skin contact	 Not expected to present a significant hazard under anticipated conditions of normal use. Irritation. 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 Unsuitable extinguishing media	Sand. Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.
5.2. Special hazards arising from the subst	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 measures	
6.1. Personal precautions, protective equipm	ent and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene. 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. Notify authorities if liquid enters sewers or public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containme	nt and cleaning up
For containment Methods for cleaning up	 Collect spillage. Take up liquid spill into absorbent material. Store away from other materials. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

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 Hygiene measures	 Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Separate working clothes from town clothes. Launder separately. Wash contaminated
	clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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
Storage conditions	: 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	: 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

8.1.1 National occupational exposure and biological limit values

d-Limonene (5989-27-5)			
Finland - Occupational Exposure Limits			
HTP (OEL TWA) [1]	140 mg/m ³		
HTP (OEL TWA) [2]	25 ppm		
HTP (OEL STEL)	280 mg/m³		
HTP (OEL STEL) [ppm]	50 ppm		
Germany - Occupational Exposure Limits (TRGS 900)			
AGW (OEL TWA) [1]	28 mg/m $^{\rm 3}$ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
AGW (OEL TWA) [2]	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		
OEL TWA [ppm]	5 ppm		
OEL STEL	112 mg/m³		
OEL STEL [ppm]	20 ppm		
OEL chemical category	Potential for cutaneous absorption		

Safety Data Sheet

d-Limonene (5989-27-5)			
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	168 mg/m³		
VLA-ED (OEL TWA) [2]	30 ppm		
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption		
Norway - Occupational Exposure Limits	1		
Grenseverdi (OEL TWA) [1]	140 mg/m³		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)		
OEL chemical category	Allergenic substance		
Switzerland - Occupational Exposure Limits			
MAK (OEL TWA) [1]	40 mg/m³		
MAK (OEL TWA) [2]	7 ppm		
KZGW (OEL STEL)	80 mg/m ³		
KZGW (OEL STEL) [ppm]	14 ppm		
OEL chemical category	Sensitizer		
p-Cymene (99-87-6)			
Denmark - Occupational Exposure Limits			
OEL TWA [1]	135 mg/m³ (Methylisopropylbenzenes)		
OEL TWA [2]	25 ppm (Methylisopropylbenzenes)		
OEL STEL	270 mg/m³ (Methylisopropylbenzenes)		
OEL STEL [ppm]	50 ppm (Methylisopropylbenzenes)		
Estonia - Occupational Exposure Limits	·		
OEL TWA	140 mg/m³		
OEL TWA [ppm]	25 ppm		
OEL STEL	190 mg/m³		
OEL STEL [ppm]	35 ppm		
Latvia - Occupational Exposure Limits			
OEL TWA	10 mg/m³ (Cymene (2, 3, 4-isomers mixture))		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	140 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	190 mg/m³		
TPRV (OEL STEL) [ppm]	35 ppm		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	140 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	190 mg/m³		
KTV (OEL STEL) [ppm]	35 ppm		

Safety Data Sheet

.betaPinene (127-91-3)			
Belgium - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m ³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m ³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m ³		
TPRV (OEL STEL) [ppm]	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	113 mg/m ³		
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m ³		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA) [1]	140 mg/m ³		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer		
.alphaPinene (80-56-8)			
Belgium - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm		

Safety Data Sheet

.alphaPinene (80-56-8)			
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m ³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m ³		
TPRV (OEL STEL) [ppm]	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	113 mg/m ³		
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m ³		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA) [1]	140 mg/m³		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)		
OEL chemical category	Skin notation		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer		
Citral (5392-40-5)			
Belgium - Occupational Exposure Limits			
OEL TWA	32 mg/m³ (vapor and aerosol)		
OEL TWA [ppm]	5 ppm (vapor and aerosol)		

Safety Data Sheet

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

Citral (5392-40-5)			
OEL chemical category	Skin		
Ireland - Occupational Exposure Limits			
OEL TWA [2]	5 ppm		
OEL STEL [ppm]	15 ppm (calculated)		
Poland - Occupational Exposure Limits			
NDS (OEL TWA)	27 mg/m³		
NDSCh (OEL STEL)	54 mg/m ³		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	5 ppm (inhalable fraction; vapor)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [2]	5 ppm (inhalable fraction and vapor)		
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA [ppm]	5 ppm (inhalable fraction and vapor)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer		

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:

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

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. characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 79.2 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0.85
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

No additional information available

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

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008			
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified		
Lime oil distilled (8008-26-2)			
LD50 oral rat	5600 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg		
Cinnamic aldehyde (104-55-2)			
LD50 oral rat	2220 mg/kg (Source: NLM_CIP)		
LD50 oral	2200 mg/kg bodyweight		
LD50 dermal rabbit	1260 mg/kg (Source: EPA_HPV)		
LD50 dermal	1100 mg/kg bodyweight		
Lemon oil (8008-56-8)			
LD50 oral rat	2840 mg/kg (Source: NLM_CIP)		
Terpineol (8000-41-7)			
LD50 oral rat	2900 mg/kg (Source: IUCLID)		
LD50 oral	4300 mg/kg bodyweight		
LD50 dermal rabbit	> 3000 mg/kg (Source: IUCLID)		
Eugenol (97-53-0)			
LD50 oral rat	1930 mg/kg (Source: NZ_CCID)		
LD50 oral	2500 mg/kg bodyweight		
d-Limonene (5989-27-5)			
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)		

Safety Data Sheet

d-Limonene (5989-27-5)			
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)		
p-Cymene (99-87-6)			
LD50 oral rat	4750 mg/kg (Source: NLM_CIP)		
LD50 oral	4750 mg/kg bodyweight		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
LC50 Inhalation - Rat	> 9.7 mg/l (Exposure time: 5 h Source: EU_CLH)		
LC50 Inhalation - Rat (Vapours)	9.7 mg/l/4h		
.betaPinene (127-91-3)			
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
.alphaPinene (80-56-8)			
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)		
LD50 oral	500 mg/kg bodyweight		
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)		
Citral (5392-40-5)			
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)		
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)		
Bergamot oil (8007-75-8)			
LD50 oral rat	11520 mg/kg (Source: NLM_CIP)		
Neryl acetate (141-12-8)			
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)		
LD50 dermal rabbit	> 6 ml/kg (Source: ECHA_API)		
Geranyl acetate (105-87-3)			
LD50 oral rat	6330 mg/kg (Source: NLM_CIP)		
Camphene (79-92-5)			
LD50 oral rat	5600 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg		
Skin corrosion/irritation :	Causes skin irritation.		
5 5 5	Not classified		
	May cause an allergic skin reaction.		
5 5	Not classified Not classified		
Eugenol (97-53-0)			
IARC group	3 - Not classifiable		
d-Limonene (5989-27-5)			
IARC group	3 - Not classifiable		
Reproductive toxicity :	May damage fertility or the unborn child.		
	Not classified		
	Not classified		
Aspiration hazard :	Not classified		

Safety Data Sheet

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and : symptoms

: Based on available data, the classification criteria are not met

SECTION 12: Ecological information 12.1. Toxicity : Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Ecology - general Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects. (chronic) Eugenol (97-53-0) LC50 - Fish [1] 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) 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) .alpha.-Pinene (80-56-8) LC50 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID) EC50 - Crustacea [1] 41 mg/l (Exposure time: 48 h - Species: Daphnia magna) Citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) Camphene (79-92-5) LC50 - Fish [1] 0.72 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through] Source: IUCLID) 150 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID) LC50 - Fish [2] EC50 - Crustacea [1] 22 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 1000 mg/l (Species: Desmodesmus subspicatus) EC50 72h - Algae [1] 12.2. Persistence and degradability COCA COLA #EU28432F Persistence and degradability Not established. 12.3. Bioaccumulative potential COCA COLA #EU28432F Not established. Bioaccumulative potential

Safety Data Sheet

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

Cinnamic aldehyde (104-55-2)			
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)		
Eugenol (97-53-0)			
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5)		
d-Limonene (5989-27-5)			
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)		
p-Cymene (99-87-6)			
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 20 °C (at pH 7)		
Partition coefficient n-octanol/water (Log Kow)	0		
.alphaPinene (80-56-8)			
Partition coefficient n-octanol/water (Log Pow)	4.1		
Citral (5392-40-5)			
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)		
Neryl acetate (141-12-8)			
Partition coefficient n-octanol/water (Log Pow)	3.98 (at 37 °C (at pH 7.2)		
Geranyl acetate (105-87-3)			
Partition coefficient n-octanol/water (Log Pow)	4.04		
Camphene (79-92-5)			
Partition coefficient n-octanol/water (Log Pow)	4.22 (at 37 °C (at pH 7.2)		
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 : Dispose of contents/container in accordance with licensed collector's sorting instructions. Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

: Avoid release to the environment.

Safety Data Sheet

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

HP Code

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: HP3 - "Flammable:"
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– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and \leq 75 °C;

 flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

 – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

 – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber	1		
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shippin	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled)	Environmentally hazardous substance, liquid, n.o.s. (Lime Oil Distilled)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled
Transport document descr	iption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Lime Oil Distilled), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lime Oil Distilled) 9, III
14.3. Transport hazard o	class(es)			<u>.</u>
9	9	9	9	9
14.4. Packing group				
III	III	III	III	Ш
14.5. 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 informatio	n available			

Overland transport

Classification code (ADR)

: M6

Safety Data Sheet

Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
	: MP19
Mixed packing provisions (ADR)	
Portable tank and bulk container instructions (ADR)	
Portable tank and bulk container special provisions	: TP1, TP29
(ADR)	
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	: CV13
and handling (ADR)	
Hazard identification number (Kemler No.)	: 90
Orange plates	90
	90 3082
	3082
	3082
Tunnel restriction code (ADR)	: -
EAC code	: •3Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (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
	: TP1, TP29
Tank special provisions (IMDG)	: F-A
EmS-No. (Fire)	. F-A : S-F
EmS-No. (Spillage)	
Stowage category (IMDG)	: A
Air transport	
	54
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA)	: Y964 : 30kgG
PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA)	: Y964 : 30kgG : 964
PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	: Y964 : 30kgG : 964 : 450L
PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA)	: Y964 : 30kgG : 964 : 450L : 964
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)	: Y964 : 30kgG : 964 : 450L : 964 : 450L
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)	 Y964 30kgG 964 450L 964 450L 450L 450L A97, A158, A197, A215
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)	: Y964 : 30kgG : 964 : 450L : 964 : 450L
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)	 Y964 30kgG 964 450L 964 450L 450L 450L A97, A158, A197, A215
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)	 Y964 30kgG 964 450L 964 450L 450L 450L A97, A158, A197, A215
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)	 Y964 30kgG 964 450L 964 450L 450L 450L A97, A158, A197, A215
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	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L
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 Classification code (ADN)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L
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 Classification code (ADN) Special provisions (ADN)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601
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) Excepted quantities (ADN)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L
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)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T
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)	 Y964 30kgG 964 450L 964 450L 964 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN)	 Y964 30kgG 964 450L 964 450L 964 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport	 Y964 30kgG 964 450L 964 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP 0
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID)	 Y964 30kgG 964 450L 964 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP 0 K6
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Squipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601 5 L
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 Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID)	 Y964 30kgG 964 450L 964 450L 450L A97, A158, A197, A215 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601

Safety Data Sheet

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

Special packing provisions (RID) Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions	:	PP1 MP19 T4 TP1, TP29
(RID) Tank codes for RID tanks (RID) Transport category (RID) Special provisions for carriage – Packages (RID) Special provisions for carriage – Logding unleading	:	LGBV 3 W12 CW13, CW31
Special provisions for carriage - Loading, unloading and handling (RID) Colis express (express parcels) (RID) Hazard identification number (RID)		CE8 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)	Lime oil distilled ; Lemon oil ; d-Limonene ; p- Cymene ; .betaPinene ; .alphaPinene ; Bergamot oil	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)	COCA COLA #EU28432F ; Lime oil distilled ; Cinnamic aldehyde ; Lemon oil ; Terpineol ; Eugenol ; d-Limonene ; p- Cymene ; Citral ; Bergamot oil ; Neryl acetate ; Geranyl 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 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)	COCA COLA #EU28432F ; Lime oil distilled ; Cinnamic aldehyde ; Lemon oil ; d-Limonene ; p-Cymene ; Bergamot oil ; Geranyl 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 class 4.1
40.	Lime oil distilled ; Lemon oil ; d-Limonene ; p- Cymene ; .betaPinene ; .alphaPinene ; Bergamot oil ; Camphene	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)

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

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 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
List of sensitizing substances (TRGS 907)	: Contains sensitizing substances according TRGS 907.
Chemicals Prohibition Ordinance (ChemVerbotsV)	: This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: Lemon oil ,Terpineol,Bergamot oil are listed
SZW-lijst van mutagene stoffen	: Lemon oil ,Terpineol,Bergamot oil 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

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	

Safety Data Sheet

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

Abbreviations and a	cronyms:
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Other information

: None.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1

Safety Data Sheet

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

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	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Flam. Sol. 2	Flammable solids, Category 2	
H226	Flammable liquid and vapour.	
H228	Flammable solid.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H360	May damage fertility or the unborn child.	
H360FD	May damage fertility. May damage the unborn child.	
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.	
Repr. 1A	Reproductive toxicity, Category 1A	
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	

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.