



SAFETY DATA SHEET of:
777502 - Tonic Fresh

Revision date: Friday, July 4, 2025
S135.926

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

1.1 Product identifier:

777502 - Tonic Fresh

UFI: OS60-A06V-200H-AASP

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

/

Concentration in use: /

1.3 Details of the supplier of the safety data sheet:

BOMA

Noorderlaan 131

B2030 Antwerpen

Phone: 003232313389 – E-mail: info@boma.eu – Website: <http://www.boma.eu/>

1.4 Emergency telephone number:

BE: +32 70 245 245 // NL: +31 88 755 8000 Nationaal Vergiftigingen Informatie Centrum (NVIC) (Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen.) // FR: + 33 (0)1 45 42 59 59 // LUX: (+352) 8002-5500

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008

H317 Skin Sens. 1 H411 Aquatic Chronic 2

2.2 Label elements:

Pictograms



Signal word

Warning

Hazard statements

H317 Skin Sens. 1: May cause an allergic skin reaction.
H411 Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

Precautionary statements

P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains

Allylcyclohexanepropionate 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

2.3 Other hazards:

None

SECTION 3: Composition/information on ingredients:

3.2 Mixtures:

n-Hexyl acetate	≤ 30 %	CAS number: 142-92-7 EINECS: 205-572-7 REACH Registration number: 01-2119976337-25 CLP Classification: H226 Flam. Liq. 3
Benzylacetate	≤ 20 %	CAS number: 140-11-4 EINECS: 205-399-7 REACH Registration number: 01-2119638272-42 CLP Classification: H412 Aquatic Chronic 3
Allylcyclohexanepropionate	≤ 20 %	CAS number: 2705-87-5 EINECS: 220-292-5 REACH Registration number: 01-2119976355-27 CLP Classification: H302 Acute tox. 4 H312 Acute tox. 4 H317 Skin Sens. 1B H400 Aquatic Acute 1 H411 Aquatic Chronic 2 Additional data: M = 1 ; ATE(H302) = 480 mg/kg ; ATE(H312) = 1600 mg/kg

2,4-dimethylcyclohex-3-ene-1-carbaldehyde	≤ 5 %	CAS number: 68039-49-6 EINECS: 268-264-1 REACH Registration number: / CLP Classification: H315 Skin Irrit. 2 H317 Skin Sens. 1 H319 Eye Irrit. 2 H412 Aquatic Chronic 3
2,6-dimethyloct-7-en-2-ol	≤ 5 %	CAS number: 18479-58-8 EINECS: 242-362-4 REACH Registration number: 01- 2119457274-37 CLP Classification: H315 Skin Irrit. 2 H319 Eye Irrit. 2 H336 STOT SE 3
4-methyl-3-decen-5-ol	≤ 0.9 %	CAS number: 81782-77-6 EINECS: 279-815-0 REACH Registration number: 01-2119983528-21 CLP Classification: H400 Aquatic Acute 1 H411 Aquatic Chronic 2

For the full text of the H phrases mentioned in this section, see section 16.

SECTION 4: First aid measures:

4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

Skin contact:	Remove contaminated clothing, rinse skin with plenty of water, if necessary seek medical attention.
Eye contact:	Thoroughly rinse with water (contact lenses to be removed if this is easily done) then take to physician.
Ingestion:	Rinse mouth, do not induce vomiting, take to hospital immediately.
Inhalation:	Let sit upright, fresh air, rest and take to hospital.

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

Skin contact:	Redness, pain
Eye contact:	Redness, pain, blurred vision
Ingestion:	Diarrhoea, headache, abdominal cramps, sleepiness, vomiting
Inhalation:	Sore throat, cough, shortness of breath, headache

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

None

SECTION 5: Firefighting measures:

5.1 Extinguishing media:

CO2, foam, powder, sprayed water

5.2 Special hazards arising from the substance or mixture:

None

5.3 Advice for firefighters:

Extinguishing agents to be avoided: None

SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.2 Environmental precautions:

Do not allow to flow into sewers or open water.

6.3 Methods and material for containment and cleaning up:

Contain released substance, store into suitable containers. If possible, remove by using absorbent material.

6.4 Reference to other sections:

For further information, check sections 8 & 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Handle with care to avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a sealed container in a closed, frost-free, ventilated room.

7.3 Specific end use(s):

/

SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the workplace exposure limit values are known

/

8.2 Exposure controls:

Inhalation protection:	If necessary, use an air-purifying face mask in case of respiratory hazards.	
------------------------	--	---

Skin protection:	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
Eye protection:	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
Other protection:	Wear impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	
Environmental controls:	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. For further information, check sections 6 and 13.	
Engineering controls:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. For further information, check section 7.	

SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Physical state, 20°C:	Liquid
Colour:	colourless
Odour:	characteristic
Melting point/freezing point:	0 °C
Boiling point/Boiling range:	/ – /
Flammability (solid, gas):	Not applicable
Lower explosive limit, (Vol %):	/
Upper explosive limit, (Vol %):	/
Flash point:	/
Auto-ignition temperature:	/
Decomposition temperature:	/
pH:	7.0
pH 1% diluted in water:	/
Kinematic viscosity, 40°C:	1 mm²/s
Solubility in water:	Not soluble
Partition coefficient: n-octanol/water (log value):	Not applicable
Vapour pressure, 20°C,:	/
Relative density, 20°C:	1.0000 kg/l
Vapour density:	Not applicable
Particle characteristics:	/

9.2 Other information:

Dynamic viscosity, 20°C:	1 mPa.s
Sustained combustion test:	/
Evaporation rate (n-BuAc = 1):	/
Volatile organic component (VOC):	/
Volatile organic component (VOC):	0.000 g/l

SECTION 10: Stability and reactivity:

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Extremely high or low temperatures.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding + 50°C.

10.5 Incompatible materials:

None

10.6 Hazardous decomposition products:

Under recommended usage conditions, hazardous decomposition products are not expected.

SECTION 11: Toxicological information:

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

a) acute toxicity:

Not classified according to the CLP calculation method

Calculated acute toxicity, ATE oral: > 2,000 mg/kg

Calculated acute toxicity, ATE dermal: > 2,000 mg/kg

n-Hexyl acetate	LD50 oral, rat:	≥ 5,000 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l
Benzylacetate	LD50 oral, rat:	2,490 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l
Allylcyclohexanepropionate	LD50 oral, rat:	480 mg/kg
	LD50 dermal, rabbit:	1,600 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	LD50 oral, rat:	≥ 5,000 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l

2,6-dimethyloct-7-en-2-ol	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
4-methyl-3-decen-5-ol	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

b) skin corrosion/irritation:

Not classified according to the CLP calculation method

c) serious eye damage/irritation:

Not classified according to the CLP calculation method

d) respiratory or skin sensitisation:

H317 Skin Sens. 1: May cause an allergic skin reaction.

e) germ cell mutagenicity:

Not classified according to the CLP calculation method

f) carcinogenicity:

Not classified according to the CLP calculation method

g) reproductive toxicity:

Not classified according to the CLP calculation method

h) STOT-single exposure:

Not classified according to the CLP calculation method

i) STOT-repeated exposure:

Not classified according to the CLP calculation method

j) aspiration hazard:

Not classified according to the CLP calculation method

11.2 Information on other hazards:

No additional data available

SECTION 12: Ecological information:

12.1 Toxicity:

2,6-dimethyloct-7-en-2-ol	LC50 (Fish): 27,8 mg/L (72h) EC50 (Daphnia): 38 mg/L (48h) NOEC (Daphnia): 10 mg/L (48h) EC50 (Algae): 65 - 80 mg/L (72h) NOEC (Algae): 25 mg/L (72h) EC50 (soil microorganisms): 100 mg/L (3h)
---------------------------	--

12.2 Persistence and degradability:

No additional data available

12.3 Bioaccumulative potential:

	Additional data:
2,6-dimethyloct-7-en-2-ol	Log Pow = 3,25

12.4 Mobility in soil:

Water hazard class, WGK (AwSV): 3
Solubility in water: Not soluble

12.5 Results of PBT and vPvB assessment:

No additional data available

12.6 Endocrine disrupting properties:

No additional data available

12.7 Other adverse effects:

No additional data available

SECTION 13: Disposal considerations:

13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

SECTION 14: Transport information:



14.1 UN number or ID number:

3082

14.2 UN proper shipping name:

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (mixture with 2,4-dimethylcyclohex-3-ene-1-carbaldehyde; Allylcyclohexanepropionate), 9, III, (-)

14.3 Transport hazard class(es):

Class(es): 9
Identification number of the hazard: 90

14.4 Packing group:

III

14.5 Environmental hazards:

Environmentally hazardous

14.6 Special precautions for user:

Hazard characteristics:	Risk to the aquatic environment and the sewerage system.
Additional guidance:	Not applicable

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:

Water hazard class, WGK (AwSV):	3
Volatile organic component (VOC):	/
Volatile organic component (VOC):	0.000 g/l
Composition by regulation (EC) 648/2004:	Perfumes

15.2 Chemical Safety Assessment:

No data available

SECTION 16: Other information:

Legend to abbreviations used in the safety data sheet:

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE:	Acute Toxicity Estimate
BCF:	Bioconcentration factor
CAS:	Chemical Abstracts Service
CLP:	Classification, Labelling and Packaging of chemicals
EINECS:	European INventory of Existing commercial Chemical Substances
LC50:	median Lethal Concentration for 50% of subjects
LD50:	median Lethal Dose for 50% of subjects
Nr.:	Number
PBT:	Persistent, Toxic, Bioaccumulative
STOT:	Specific Target Organ Toxicity
UFI:	Unique Formula Identifier
vPvB:	very Persistent and very Bioaccumulative substances
WGK:	Water hazard class
WGK 1:	Slightly hazardous for water
WGK 2:	Hazardous for water
WGK 3:	Extremely hazardous for water

Legend to the H Phrases used in the safety data sheet

H226 Flam. Liq. 3: Flammable liquid and vapour. H302 Acute tox. 4: Harmful if swallowed. H312 Acute tox. 4: Harmful in contact with skin. H315 Skin Irrit. 2: Causes skin irritation. H317 Skin Sens. 1: May cause an allergic skin reaction. H317 Skin Sens. 1B: May cause an allergic skin reaction. H319 Eye Irrit. 2: Causes serious eye irritation. H336 STOT SE 3: May cause drowsiness or dizziness. H400 Aquatic Acute 1: Very toxic to aquatic life. H411 Aquatic Chronic 2: Toxic to aquatic life with long lasting effects. H412 Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

CLP Calculation method

Calculation method

Reason of revision, changes of following items

Section: 14.5

SDS reference number

ECM-114116,00

This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2020/878. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.



SAFETY DATA SHEET of:
777503 - Lavanda

Revision date: Friday, July 4, 2025
S135.926

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

1.1 Product identifier:

777503 - Lavanda

UFI: 2TF9-XCK3-700D-G1P5

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

/

Concentration in use: /

1.3 Details of the supplier of the safety data sheet:

BOMA

Noorderlaan 131

B2030 Antwerpen

Phone: 003232313389 – E-mail: info@boma.eu – Website: <http://www.boma.eu/>

1.4 Emergency telephone number:

BE: +32 70 245 245 // NL: +31 88 755 8000 Nationaal Vergiftigingen Informatie Centrum (NVIC) (Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen.) // FR: + 33 (0)1 45 42 59 59 // LUX: (+352) 8002-5500

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008

H317 Skin Sens. 1 H319 Eye Irrit. 2 H411 Aquatic Chronic 2

2.2 Label elements:

Pictograms



Signal word

Warning

Hazard statements

H317 Skin Sens. 1:	May cause an allergic skin reaction.
H319 Eye Irrit. 2:	Causes serious eye irritation.
H411 Aquatic Chronic 2:	Toxic to aquatic life with long lasting effects.

Precautionary statements

P272:	Contaminated work clothing should not be allowed out of the workplace.
P280:	Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352:	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
P501:	Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains

C11-15 Alkanes 1,8-Cineole Limonene Linalyl acetate delta-damascone Eugenol Coumarin 2-methylundecanal
Linalool beta-Caryophyllene Triplal

2.3 Other hazards:

None

SECTION 3: Composition/information on ingredients:

3.2 Mixtures:

n-Hexyl acetate	≤ 30 %	CAS number: 142-92-7 EINECS: 205-572-7 REACH Registration number: 01-2119976337-25 CLP Classification: H226 Flam. Liq. 3
3,5,5-trimethylhexyl acetate	≤ 20 %	CAS number: 58430-94-7 EINECS: 261-245-9 REACH Registration number: 01-2119972325-34 CLP Classification: H315 Skin Irrit. 2 H411 Aquatic Chronic 2
1,8-Cineole	≤ 10 %	CAS number: 470-82-6 EINECS: 207-431-5 REACH Registration number: 01-2119967772-24 CLP Classification: H226 Flam. Liq. 3 H317 Skin Sens. 1
C11-15 Alkanes	≤ 10 %	CAS number: Confidential EINECS: Confidential REACH Registration number: / CLP Classification: H304 Asp. Tox. 1

Limonene	≤ 4 %	CAS number: 5989-27-5 EINECS: 227-813-5 REACH Registration number: 01-2119529223-47 CLP Classification: H226 Flam. Liq. 3 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1 H400 Aquatic Acute 1 H412 Aquatic Chronic 3 Additional data: M(H400) = 1
Linalool	≤ 3 %	CAS number: 78-70-6 EINECS: 201-134-4 REACH Registration number: 01-2119474016-42 CLP Classification: H315 Skin Irrit. 2 H317 Skin Sens. 1B H319 Eye Irrit. 2
Linalyl acetate	≤ 3 %	CAS number: 115-95-7 EINECS: 204-116-4 REACH Registration number: 01-2119454789-19 CLP Classification: H315 Skin Irrit. 2 H317 Skin Sens. 1 H319 Eye Irrit. 2
Allyl Amyl Glycolate	≤ 3 %	CAS number: / EINECS: 916-328-0 REACH Registration number: 01-2120794630-50 CLP Classification: H302 Acute tox. 4 H312 Acute tox. 4 H373 STOT RE 2 H400 Aquatic Acute 1 H412 Aquatic Chronic 3 Additional data: ATE (H302) = 500 mg/kg ; ATE (H312) = 1100 mg/kg ; M=1
2-Octanone	≤ 3 %	CAS number: 111-13-7 EINECS: 203-837-1 REACH Registration number: 01-2120118367-57 CLP Classification: H226 Flam. Liq. 3 H319 Eye Irrit. 2 H412 Aquatic Chronic 3
Coumarin	≤ 1 %	CAS number: 91-64-5 EINECS: 202-086-7 REACH Registration number: 01-2119943756-26 / 01-2119949300-45/- CLP Classification: H302 Acute tox. 4 H317 Skin Sens. 1 Additional data: ATE (H302) = 680 mg/kg

Eugenol	≤ 1 %	CAS number: 97-53-0 EINECS: 202-589-1 REACH Registration number: 01-2119971802-33 CLP Classification: H317 Skin Sens. 1 H319 Eye Irrit. 2
Myrcene	≤ 1 %	CAS number: 123-35-3 EINECS: 204-622-5 REACH Registration number: / CLP Classification: H412 Aquatic Chronic 3
Terpinen-4-ol	≤ 1 %	CAS number: 562-74-3 EINECS: 209-235-5 REACH Registration number: / CLP Classification: H302 Acute tox. 4 H315 Skin Irrit. 2
beta-Caryophyllene	≤ 1 %	CAS number: 87-44-5 EINECS: 201-746-1 REACH Registration number: 01-2120745237-53 CLP Classification: H304 Asp. Tox. 1 H317 Skin Sens. 1B
2-methylundecanal	≤ 1 %	CAS number: 110-41-8 EINECS: 203-765-0 REACH Registration number: 01-2119969443-29 CLP Classification: H315 Skin Irrit. 2 H317 Skin Sens. 1 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
Triplal	≤ 1 %	CAS number: / EINECS: 943-728-2 REACH Registration number: 01- 2119982384- 28 CLP Classification: H315 Skin Irrit. 2 H317 Skin Sens. 1B H411 Aquatic Chronic 2
delta-damascone	≤ 0.1 %	CAS number: 71048-82-3 EINECS: 275-156-8 REACH Registration number: 01-2119535122-53 CLP Classification: H302 Acute tox. 4 H315 Skin Irrit. 2 H317 Skin Sens. 1A H400 Aquatic Acute 1 H410 Aquatic Chronic 1 Additional data: M = 1

For the full text of the H phrases mentioned in this section, see section 16.

SECTION 4: First aid measures:

4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

Skin contact:	Rinse with water.
Eye contact:	Rinse first with plenty of water, if necessary seek medical attention.
Ingestion:	Rinse first with plenty of water, if necessary seek medical attention.
Inhalation:	In case of serious or continuous discomforts: remove to fresh air and seek medical attention.

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

Skin contact:	Redness, pain
Eye contact:	Redness, pain, blurred vision
Ingestion:	Abdominal cramps, diarrhoea, dizziness, headache
Inhalation:	Sore throat, cough, shortness of breath, headache

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

None

SECTION 5: Firefighting measures:

5.1 Extinguishing media:

CO₂, foam, powder, sprayed water

5.2 Special hazards arising from the substance or mixture:

None

5.3 Advice for firefighters:

Extinguishing agents to be avoided: None

SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.2 Environmental precautions:

Do not allow to flow into sewers or open water.

6.3 Methods and material for containment and cleaning up:

Contain released substance, store into suitable containers. If possible, remove by using absorbent material.

6.4 Reference to other sections:

For further information, check sections 8 & 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Handle with care to avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a sealed container in a closed, frost-free, ventilated room.

7.3 Specific end use(s):

/

SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the workplace exposure limit values are known

/

8.2 Exposure controls:

Inhalation protection:	If necessary, use an air-purifying face mask in case of respiratory hazards.	
Skin protection:	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
Eye protection:	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
Other protection:	Wear impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	
Environmental controls:	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. For further information, check sections 6 and 13.	
Engineering controls:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. For further information, check section 7.	

SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Physical state, 20°C:	Liquid
Colour:	purple
Odour:	characteristic
Melting point/freezing point:	0 °C
Boiling point/Boiling range:	198 °C – 199 °C

Flammability (solid, gas):	Not applicable
Lower explosive limit, (Vol %):	/
Upper explosive limit, (Vol %):	/
Flash point:	61 °C
Auto-ignition temperature:	/
Decomposition temperature:	/
pH:	7.0
pH 1% diluted in water:	/
Kinematic viscosity, 40°C:	1 mm ² /s
Solubility in water:	Not soluble
Partition coefficient: n-octanol/water (log value):	Not applicable
Vapour pressure, 20°C,:	/
Relative density, 20°C:	0.8660 kg/l
Vapour density:	Not applicable
Particle characteristics:	/

9.2 Other information:

Dynamic viscosity, 20°C:	1 mPa.s
Sustained combustion test:	/
Evaporation rate (n-BuAc = 1):	/
Volatile organic component (VOC):	/
Volatile organic component (VOC):	32.596 g/l

SECTION 10: Stability and reactivity:

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Extremely high or low temperatures.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding + 50°C.

10.5 Incompatible materials:

Acids, alkalines, oxidants, reductants

10.6 Hazardous decomposition products:

Under recommended usage conditions, hazardous decomposition products are not expected.

SECTION 11: Toxicological information:

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

a) acute toxicity:

Not classified according to the CLP calculation method

Calculated acute toxicity, ATE oral: > 2,000 mg/kg

Calculated acute toxicity, ATE dermal: > 2,000 mg/kg

n-Hexyl acetate	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
3,5,5-trimethylhexyl acetate	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
1,8-Cineole	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
C11-15 Alkanes	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Limonene	LD50 oral, rat: 4,400 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Linalool	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Linalyl acetate	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Allyl Amyl Glycolate	LD50 oral, rat: 500 mg/kg LD50 dermal, rabbit: 1,100 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
2-Octanone	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Coumarin	LD50 oral, rat: 680 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

Eugenol	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Myrcene	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: 10 mg/l
Terpinen-4-ol	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: 10 mg/l
beta-Caryophyllene	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
2-methylundecanal	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Triplal	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
delta-damascone	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

b) skin corrosion/irritation:

Not classified according to the CLP calculation method

c) serious eye damage/irritation:

H319 Eye Irrit. 2: Causes serious eye irritation.

d) respiratory or skin sensitisation:

H317 Skin Sens. 1: May cause an allergic skin reaction.

e) germ cell mutagenicity:

Not classified according to the CLP calculation method

f) carcinogenicity:

Not classified according to the CLP calculation method

g) reproductive toxicity:

Not classified according to the CLP calculation method

h) STOT-single exposure:

Not classified according to the CLP calculation method

i) STOT-repeated exposure:

Not classified according to the CLP calculation method

j) aspiration hazard:

Not classified according to the CLP calculation method

11.2 Information on other hazards:

No additional data available

SECTION 12: Ecological information:

12.1 Toxicity:

1,8-Cineole	LC50 (Fish): 57 mg/L, 4d NOEC (Fish): 32 mg/L, 4d EC50 (Daphnia): 100 mg/L, 48h NOEC (Daphnia): 100 mg/L, 48h EC50 (Algae): 74 - 100 mg/L, 4d NOEC (Algae): 9.1 - 50 mg/L, 4d EC50 (soil microorganisms): 100 mg/L, 3h
Limonene	LC50 (Fish): 720 µg/L (4d) EC50 (Daphnia): 360 µg/L (48h) NOEC (Daphnia): 115 µg/L (16d) EC50 (Algae): 8 - 150 mg/L (72h) NOEC (Algae): 2,62 mg/L (72h)
Linalool	LC50 (Fish): 27,8 mg/L (72 h) EC50 (Daphnia): 59 mg/L (48h) NOEC (Daphnia): 25 mg/L (48h) EC50 (Algae): 88.3 - 156.7 mg/L (4d) EC50 (soil microorganisms): 100 mg/L (3h)
Coumarin	LC50 (Fish): LC50 1,324 - 2,94 mg/L (4d) NOEC (Fish): 191 µg/L (30d) LC50 (Daphnia): 8,012 mg/L (48h) EC50 (Daphnia): 8,012 - 36,9 mg/L (48h) NOEC (Daphnia): 500 µg/L (21d) EC50 (Algae): 1,452 mg/L (4d) NOEC (Algae): 431 µg/L (72h)
Eugenol	LC50 (Fish): 13 mg/l - 96 h EC50 (Daphnia): 1,13 mg/l - 48 h EC50 (Algae): 24 mg/l - 72 h

12.2 Persistence and degradability:

No additional data available

12.3 Bioaccumulative potential:

	Additional data:
1,8-Cineole	Log Pow = 3,4
Limonene	Log Pow = 4.38 @ 37 °C, pH 7.2
Linalool	Log Pow = 2.84 - 2.9

12.4 Mobility in soil:

Water hazard class, WGK (AwSV): 3
Solubility in water: Not soluble

12.5 Results of PBT and vPvB assessment:

No additional data available

12.6 Endocrine disrupting properties:

No additional data available

12.7 Other adverse effects:

No additional data available

SECTION 13: Disposal considerations:

13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

SECTION 14: Transport information:



14.1 UN number or ID number:

3082

14.2 UN proper shipping name:

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (mixture with 3,5,5-trimethylhexyl acetate; Limonene), 9, III, (-)

14.3 Transport hazard class(es):

Class(es): 9
Identification number of the hazard: 90

14.4 Packing group:

III

14.5 Environmental hazards:

Environmentally hazardous

14.6 Special precautions for user:

Hazard characteristics: Risk to the aquatic environment and the sewerage system.

Additional guidance: Not applicable

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:

Water hazard class, WGK (AwSV): 3
Volatile organic component (VOC): /
Volatile organic component (VOC): 32.596 g/l
Composition by regulation (EC) 648/2004: Aliphatic hydrocarbons 5% - 15%, Perfumes (Limonene, Linalool, Linalyl Acetate, Eugenol, beta-Caryophyllene, Coumarin, delta-damascone)

15.2 Chemical Safety Assessment:

No data available

SECTION 16: Other information:

Legend to abbreviations used in the safety data sheet:

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE:	Acute Toxicity Estimate
BCF:	Bioconcentration factor
CAS:	Chemical Abstracts Service
CLP:	Classification, Labelling and Packaging of chemicals
EINECS:	European INventory of Existing commercial Chemical Substances
LC50:	median Lethal Concentration for 50% of subjects
LD50:	median Lethal Dose for 50% of subjects
Nr.:	Number
PBT:	Persistent, Toxic, Bioaccumulative
STOT:	Specific Target Organ Toxicity
UFI:	Unique Formula Identifier
vPvB:	very Persistent and very Bioaccumulative substances
WGK:	Water hazard class
WGK 1:	Slightly hazardous for water
WGK 2:	Hazardous for water
WGK 3:	Extremely hazardous for water

Legend to the H Phrases used in the safety data sheet

H226 Flam. Liq. 3: Flammable liquid and vapour. H302 Acute tox. 4: Harmful if swallowed. H304 Asp. Tox. 1: May be fatal if swallowed and enters airways. H312 Acute tox. 4: Harmful in contact with skin. H315 Skin Irrit. 2: Causes skin irritation. H317 Skin Sens. 1: May cause an allergic skin reaction. H317 Skin Sens. 1A: May cause an allergic skin reaction. H317 Skin Sens. 1B: May cause an allergic skin reaction. H319 Eye Irrit. 2: Causes serious eye irritation. H373 STOT RE 2: May cause damage to organs through prolonged or repeated exposure. H400 Aquatic Acute 1: Very toxic to aquatic life. H410 Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects. H411 Aquatic Chronic 2: Toxic to aquatic life with long lasting effects. H412 Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

CLP Calculation method

Calculation method

Reason of revision, changes of following items

Sections: 2.1, 2.2, 3, 9.2, 15, 15.1

SDS reference number

ECM-114117,00

This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2020/878. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.