

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AROMA OIL BASIL-CITRUS**

Revision date: 27.11.2020

Product code:

Page 1 of 13

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

AROMA OIL BASIL-CITRUS

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Room Fragrance . Professional use.

**Uses advised against**

Any non-intended use.

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

Company name:	Team Beverage Marken & Systeme	
Street:	Flughafenallee 15	
Place:	D-28199 Bremen	
Telephone:	+49 (0)421-89811-0	Telefax: +49 (0)421-89811-500
e-mail:	info@team-beverage.de	
Contact person:	Markus Thoben	
Internet:	www.team-beverage.de	

**1.4. Emergency telephone number:**

+49 (0)421-89811-0

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

linalyl acetate  
 linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool  
 7-hydroxycitronellal  
 lemon oil  
 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one  
 a-methyl-1,3-benzodioxole-5-propionaldehyde  
 citral  
 (ethoxymethoxy)cyclododecane  
 Orange Oil  
 (R)-p-menta-1,8-diene  
 Lime (Citrus aurantifolia), ext.  
 Lavender, Lavandula hybrida grosso, ext.  
 geranyl acetate

**Signal word:** Warning

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 2 of 13

## Pictograms:



## Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
115-95-7	linalyl acetate	10 - < 12 %
	204-116-4	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317	
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	1 - < 3 %
	201-134-4	
	603-235-00-2	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317	
84238-39-1	Patchouli, ext.	1 - < 3 %
	282-493-4	
	Asp. Tox. 1, Aquatic Chronic 2; H304 H411	
63500-71-0	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	1 - < 3 %
	405-040-6	
	603-101-00-3	
	Eye Irrit. 2; H319	
107-75-5	7-hydroxycitronellal	1 - < 3 %
	203-518-7	
	Eye Irrit. 2, Skin Sens. 1B; H319 H317	
18479-58-8	2,6-Dimethyloct-7-en-2-ol	1 - < 3 %

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 3 of 13

	242-362-4		
	Skin Irrit. 2; H315		
8008-56-8	lemon oil		1 - < 3 %
	284-515-8		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H317 H304 H411		
127-51-5	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		1 - < 3 %
	204-846-3		
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411		
5182-36-5	2,4,6-trimethyl-4-phenyl-1,3-dioxane		1 - < 3 %
	225-963-6		
	Acute Tox. 4, Aquatic Chronic 3; H302 H412		
1205-17-0	a-methyl-1,3-benzodioxole-5-propionaldehyde		0.1 - < 0.2 %
	214-881-6		
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411		
5392-40-5	citral		0.1 - < 0.2 %
	226-394-6	605-019-00-3	
	Skin Irrit. 2, Skin Sens. 1; H315 H317		
58567-11-6	(ethoxymethoxy)cyclododecane		0.1 - < 0.2 %
	261-332-1		
	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2; H315 H317 H411		
8008-57-9	Orange Oil		0.1 - < 0.2 %
	232-433-8		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H317 H304 H411		
5989-27-5	(R)-p-menta-1,8-diene		0.1 - < 0.2 %
	227-813-5	601-029-00-7	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410		
90063-52-8	Lime (Citrus aurantifolia), ext.		0.1 - < 0.2 %
	290-010-3		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H317 H304 H411		
93455-97-1	Lavender, Lavandula hybrida grosso, ext.		0.1 - < 0.2 %
	297-385-2		
	Skin Sens. 1, Aquatic Chronic 3; H317 H412		
105-87-3	geranyl acetate		0.1 - < 0.2 %
	203-341-5		
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H317 H412		

Full text of H and EUH statements: see section 16.

## Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

## SECTION 4: First aid measures

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 4 of 13

### 4.1. Description of first aid measures

#### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### **After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### **After contact with skin**

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### **After contact with eyes**

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### **After ingestion**

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

### 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**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### **Unsuitable extinguishing media**

High power water jet.

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

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Special danger of slipping by leaking/spilling product.

Safe handling: see section 7

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Discharge into the environment must be avoided.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Disposal: see section 13

## SECTION 7: Handling and storage

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 5 of 13

### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. See section 8.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

General protection and hygiene measures: See section 8.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls



#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

#### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time  $\geq$  8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AROMA OIL BASIL-CITRUS**

Revision date: 27.11.2020

Product code:

Page 6 of 13

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Skin protection**

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-exceeding exposure limit values

-insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid	
Colour:	colourless - slightly yellowish	
Odour:	lemonlike	
pH-Value:		not determined

**Changes in the physical state**

Melting point:		not determined
Initial boiling point and boiling range:		not determined
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Flash point:		78 °C
Sustaining combustion:		Not sustaining combustion

**Explosive properties**

none

Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		not determined

**Auto-ignition temperature**

Gas: not determined

Decomposition temperature: not determined

**Oxidizing properties**

none

Vapour pressure: not determined

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 7 of 13

Density (at 25 °C):	0,972-0,982 g/cm <sup>3</sup>
Water solubility:	almost immiscible
<b>Solubility in other solvents</b>	
Alcohols: highly soluble.	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

#### 9.2. Other information

Solid content:	not determined
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

#### 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

#### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid Alkali (lye)

#### 10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Toxicokinetics, metabolism and distribution**

No data available.

##### **Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool				
	oral	LD50 mg/kg 2200	Mouse.	ECHA Dossier	
	dermal	LD50 mg/kg >5000	Rabbit	ECHA Dossier	
63500-71-0	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)				
	oral	LD50 mg/kg >2000	Rat	ECHA Dossier	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 8 of 13

	dermal	LD50 mg/kg	>2000	Rabbit	ECHA Dossier	
18479-58-8	2,6-Dimethyloct-7-en-2-ol					
	oral	LD50 mg/kg	4100	Rat	ECHA	
	dermal	LD50 mg/kg	>5000	Rabbit	ECHA	
5182-36-5	2,4,6-trimethyl-4-phenyl-1,3-dioxane					
	oral	ATE mg/kg	500			
5392-40-5	citral					
	oral	LD50 mg/kg	6800	Rat.	ECHA Dossier	
	dermal	LD50 mg/kg	>2000	Rat.	ECHA Dossier	
58567-11-6	(ethoxymethoxy)cyclododecane					
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA Dossier	
5989-27-5	(R)-p-menta-1,8-diene					
	oral	LD50 mg/kg	>2000	Rat	RTECS	
	dermal	LD50 mg/kg	>2000	Rabbit	IUCLID	
105-87-3	geranyl acetate					
	oral	LD50 mg/kg	6330	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	5460	Rabbit	ECHA Dossier	

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

May cause an allergic skin reaction. (linalyl acetate; linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool; 7-hydroxycitronellal; lemon oil; 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one; a-methyl-1,3-benzodioxole-5-propionaldehyde; citral; (ethoxymethoxy)cyclododecane; Orange Oil; (R)-p-menta-1,8-diene; Lime (Citrus aurantifolia), ext.; Lavender, Lavandula hybrida grosso, ext.; geranyl acetate)

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (CAS-No.: 78-70-6):

In-vitro mutagenicity: Method: OECD Guideline 476 (In Vitro Mammalian Cell Gene Mutation Test); Result:

negative. Literature information: ECHA dossier; Carcinogenicity: Method: -; Species: Rat; Exposure duration:

140 d. Result: negative. Literature information: ECHA dossier; Reproductive toxicity: Method: OECD Guideline

421 (Reproduction / Developmental Toxicity Screening Test); Species: Rat; Result: NOAEL = 365 mg/kg;

Literature information: ECHA dossier Developmental toxicity/teratogenicity: Method: -; Species: Rat; Exposure

duration: 26 d. Result: NOAEL = 1000 mg/kg; Literature information: ECHA dossier

**STOT-single exposure**

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 9 of 13

**STOT-repeated exposure**

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

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (CAS-No.: 78-70-6):

Subacute oral toxicity:

Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents); Species: Rat; Exposure duration: 28 d. Results: NOAEL = 160 mg/kg; Literature information: ECHA dossier

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

No data available.

**SECTION 12: Ecological information****12.1. Toxicity**

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool					
	Acute fish toxicity	LC50 mg/l	27,8	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	88,3	96 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	59 mg/l	48 h	Daphnia magna	ECHA Dossier
63500-71-0	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)					
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	320 mg/l	48 h	Daphnia magna	ECHA Dossier
	Acute bacteria toxicity	(>1000 mg/l)		3 h	Activated sludge	ECHA Dossier
5392-40-5	citral					
	Acute fish toxicity	LC50	4,6 mg/l	96 h	Leuciscus idus	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	103,8	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	6,8 mg/l	48 h	Daphnia magna	ECHA Dossier
58567-11-6	(ethoxymethoxy)cyclododecane					
	Acute fish toxicity	LC50	1,9 mg/l	96 h	Danio rerio	ECHA Dossier
	Acute algae toxicity	ErC50	>2 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	1,6 mg/l	48 h	Daphnia magna	ECHA Dossier
5989-27-5	(R)-p-menta-1,8-diene					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	ECHA dossier
	Acute crustacea toxicity	EC50 mg/l	0,36	48 h	Daphnia magna	ECHA dossier
105-87-3	geranyl acetate					
	Acute algae toxicity	ErC50 mg/l	3,72	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	14,1	48 h	Daphnia magna	ECHA Dossier

**12.2. Persistence and degradability**

The product has not been tested.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## AROMA OIL BASIL-CITRUS

Revision date: 27.11.2020

Product code:

Page 10 of 13

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	OECD 301D / EEC 92/69 annex V, C.4-E	64,2%	28	ECHA Dossier
		Easily biodegradable (concerning to the criteria of the OECD)			
63500-71-0	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	0-10%	28	ECHA Dossier
		Not readily biodegradable (according to OECD criteria)			
5392-40-5	citral	EU Method C.4-D	90%	28	ECHA Dossier
		Readily biodegradable (according to OECD criteria).			
58567-11-6	(ethoxymethoxy)cyclododecane	ISO 14593	<5%	28	ECHA Dossier
		Product is not easily biodegradable.			
5989-27-5	(R)-p-menta-1,8-diene	OECD 301D / EEC 92/69 annex V, C.4-E	80 %	28	ECHA dossier
		Easily biodegradable (concerning to the criteria of the OECD)			
105-87-3	geranyl acetate	EEC Directive 79-831, Annex V, Part C, 5.2	>70%	28	ECHA Dossier
		Product is biodegradable.			

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	2,84
18479-58-8	2,6-Dimethyloct-7-en-2-ol	3,25
5392-40-5	citral	2,76
5989-27-5	(R)-p-menta-1,8-diene	4,23
105-87-3	geranyl acetate	4,04

**BCF**

CAS No	Chemical name	BCF	Species	Source
5989-27-5	(R)-p-menta-1,8-diene	1022	QSAR	ECHA

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AROMA OIL BASIL-CITRUS**

Revision date: 27.11.2020

Product code:

Page 11 of 13

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

**List of Wastes Code - residues/unused products**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Refer to section 6-8

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

not relevant

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AROMA OIL BASIL-CITRUS**

Revision date: 27.11.2020

Product code:

Page 12 of 13

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

**15.2. Chemical safety assessment**For the following substances of this mixture a chemical safety assessment has been carried out:  
lemon oil**SECTION 16: Other information****Changes**

Rev. 1.0; Initial release: 27.11.2020

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AGW: Arbeitsplatzgrenzwert

CAS Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AROMA OIL BASIL-CITRUS**

Revision date: 27.11.2020

Product code:

Page 13 of 13

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

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.
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.

**Further Information**

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*