AROMA CAR
Speed Lemon

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: AROMA CAR
Speed Lemon

Other means of identification:

Supreme, Supreme duo, Supreme refill, Speed, Speed refill, Speed & Supreme refill

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

Relevant uses: Air freshener

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MTM INDUSTRIES Sp.z o.o.
Ul. Metalowców 6
62-800 Kalisz - Wielkopolskie - Polska
Phone: +48 62 767 33 21 - Fax: +48 62 767 33 79
info@mtm.eu
www.mtm.eu

1.4 Emergency telephone number: 112

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning

Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P302+P352: IF ON SKIN: Wash with plenty of 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 according to the separated collection system used in your municipality.

Supplementary information:

Contains (E)-2-benzylideneoctanal, Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol, Citral, Citronellol, Geraniol, P-mentha-1,4(8)-diene, Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde.

Substances that contribute to the classification

d-limonene; 3,7-dimethyloctan-3-ol

UFI: UM92-20CG-A003-H74H

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

*** Changes with regards to the previous version*

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH: 01-2119450011-60-XXXX	**Dipropylene Glycol Methyl Ether(1)**	Not classified	**50 - <75 %**
	Regulation 1272/2008		
CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: 01-2119462829-23-XXXX	**Citral(2)**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 5989-27-5 EC: 227-813-5 Index: 601-029-00-7 REACH: Non-applicable	**d-limonene(2)**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	
CAS: 56539-66-3 EC: 260-252-4 Index: Non-applicable REACH: 01-2119976333-33-XXXX	**3-methoxy-3-methylbutan-1-ol(2)**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 78-69-3 EC: 201-133-9 Index: Non-applicable REACH: 01-2119454788-21-XXXX	**3,7-dimethyloctan-3-ol(2)**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 124-13-0 EC: 204-683-8 Index: Non-applicable REACH: 01-2219638274-38-XXXX	**Octanal(2)**	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	
CAS: 61792-11-8 EC: 263-214-5 Index: Non-applicable REACH: 01-2119967769-11-XXXX	**3,7-dimethylnona-2,6-dienenitrile(2)**	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411	
CAS: 165184-98-5 EC: 639-566-4 Index: Non-applicable REACH: 01-2119533092-50-XXXX	**(E)-2-benzylideneoctanal(2)**	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 586-62-9 EC: 209-578-0 Index: Non-applicable REACH: 01-2119982325-32-XXXX	**P-mentha-1,4(8)-diene(2)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	
CAS: 106-22-9 EC: 203-375-0 Index: Non-applicable REACH: 01-2119453995-23-XXXX	**Citronellol(2)**	Self-classified	**<1 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 106-24-1 EC: 203-377-1 Index: 603-241-00-5 REACH: 01-2119552430-49-XXXX	**Geraniol(2)**	Self-classified	**<1 %**
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	
CAS: Non-applicable EC: 943-728-2 Index: Non-applicable REACH: 01-2119982384-28-XXXX	**Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde(2)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	

(1) Substance with a Union workplace exposure limit
(2) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

*** Changes with regards to the previous version*

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Chemical name/Classification		Concentration
CAS: 123-35-3 EC: 204-622-5 Index: Non-applicable REACH: 01-2119514321-56-XXXX	**7-methyl-3-methyleneocta-1,6-diene[2]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Danger	
CAS: 112-44-7 EC: 203-972-6 Index: Non-applicable REACH: 01-2119529242-47-XXXX	**Undecanal[2]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Irrit. 2: H315 - Warning	
CAS: Non-applicable EC: 947-660-4 Index: Non-applicable REACH: 01-2120767467-40-XXXX	**Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol[2]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Flam. Liq. 2: H225; Skin Sens. 1: H317 - Danger	

[1] Substance with a Union workplace exposure limit
[2] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

*** Changes with regards to the previous version*

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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SECTION 5: FIREFIGHTING MEASURES (continued)

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

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SECTION 7: HANDLING AND STORAGE (continued)

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Dipropylene Glycol Methyl Ether	IOELV (8h)	50 ppm	308 mg/m³
CAS: 34590-94-8 EC: 252-104-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	283 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	308 mg/m³	Non-applicable
Citral	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 5392-40-5	Dermal	Non-applicable	Non-applicable	1,7 mg/kg	Non-applicable
EC: 226-394-6	Inhalation	Non-applicable	Non-applicable	9 mg/m³	Non-applicable
3-methoxy-3-methylbutan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 56539-66-3	Dermal	Non-applicable	Non-applicable	6,25 mg/kg	Non-applicable
EC: 260-252-4	Inhalation	Non-applicable	Non-applicable	18 mg/m³	Non-applicable
3,7-dimethyloctan-3-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 78-69-3	Dermal	Non-applicable	Non-applicable	3,16 mg/kg	Non-applicable
EC: 201-133-9	Inhalation	Non-applicable	Non-applicable	11,14 mg/m³	Non-applicable
Octanal	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 124-13-0	Dermal	Non-applicable	Non-applicable	0,37 mg/kg	Non-applicable
EC: 204-683-8	Inhalation	Non-applicable	Non-applicable	1,3 mg/m³	Non-applicable
3,7-dimethylnona-2,6-dienenitrile	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61792-11-8	Dermal	Non-applicable	Non-applicable	1,55 mg/kg	Non-applicable
EC: 263-214-5	Inhalation	Non-applicable	Non-applicable	5,48 mg/m³	Non-applicable
(E)-2-benzylideneoctanal	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 165184-98-5	Dermal	Non-applicable	Non-applicable	18,2 mg/kg	Non-applicable
EC: 639-566-4	Inhalation	Non-applicable	6,28 mg/m³	0,078 mg/m³	Non-applicable
P-mentha-1,4(8)-diene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 586-62-9	Dermal	Non-applicable	Non-applicable	0,52 mg/kg	Non-applicable
EC: 209-578-0	Inhalation	Non-applicable	Non-applicable	3,6 mg/m³	Non-applicable
Citronellol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	327,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m³	161,6 mg/m³	10 mg/m³
Geraniol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-24-1	Dermal	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
EC: 203-377-1	Inhalation	Non-applicable	Non-applicable	161,6 mg/m³	Non-applicable
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	0,521 mg/kg	Non-applicable
EC: 943-728-2	Inhalation	Non-applicable	Non-applicable	1,837 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: Non-applicable	Dermal	20 mg/kg	Non-applicable	6,67 mg/kg	Non-applicable
EC: 947-660-4	Inhalation	70,53 mg/m³	176,32 mg/m³	17,63 mg/m³	44,08 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	121 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	37,2 mg/m³	Non-applicable
Citral	Oral	Non-applicable	Non-applicable	0,6 mg/kg	Non-applicable
CAS: 5392-40-5	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 226-394-6	Inhalation	Non-applicable	Non-applicable	2,7 mg/m³	Non-applicable
3-methoxy-3-methylbutan-1-ol	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
CAS: 56539-66-3	Dermal	Non-applicable	Non-applicable	3,1 mg/kg	Non-applicable
EC: 260-252-4	Inhalation	Non-applicable	Non-applicable	4,4 mg/m³	Non-applicable
3,7-dimethyloctan-3-ol	Oral	Non-applicable	Non-applicable	1,58 mg/kg	Non-applicable
CAS: 78-69-3	Dermal	Non-applicable	Non-applicable	1,58 mg/kg	Non-applicable
EC: 201-133-9	Inhalation	Non-applicable	Non-applicable	2,75 mg/m³	Non-applicable
Octanal	Oral	Non-applicable	Non-applicable	0,19 mg/kg	Non-applicable
CAS: 124-13-0	Dermal	Non-applicable	Non-applicable	0,19 mg/kg	Non-applicable
EC: 204-683-8	Inhalation	Non-applicable	Non-applicable	0,32 mg/m³	Non-applicable
3,7-dimethylnona-2,6-dienenitrile	Oral	Non-applicable	Non-applicable	0,555 mg/kg	Non-applicable
CAS: 61792-11-8	Dermal	Non-applicable	Non-applicable	0,555 mg/kg	Non-applicable
EC: 263-214-5	Inhalation	Non-applicable	Non-applicable	0,966 mg/m³	Non-applicable
(E)-2-benzylideneoctanal	Oral	Non-applicable	Non-applicable	0,056 mg/kg	Non-applicable
CAS: 165184-98-5	Dermal	Non-applicable	Non-applicable	9,11 mg/kg	Non-applicable
EC: 639-566-4	Inhalation	Non-applicable	4,71 mg/m³	0,019 mg/m³	Non-applicable
P-mentha-1,4(8)-diene	Oral	Non-applicable	Non-applicable	0,26 mg/kg	Non-applicable
CAS: 586-62-9	Dermal	Non-applicable	Non-applicable	0,26 mg/kg	Non-applicable
EC: 209-578-0	Inhalation	Non-applicable	Non-applicable	0,9 mg/m³	Non-applicable
Citronellol	Oral	Non-applicable	Non-applicable	13,8 mg/kg	Non-applicable
CAS: 106-22-9	Dermal	Non-applicable	Non-applicable	196,4 mg/kg	Non-applicable
EC: 203-375-0	Inhalation	Non-applicable	10 mg/m³	47,8 mg/m³	10 mg/m³
Geraniol	Oral	Non-applicable	Non-applicable	13,75 mg/kg	Non-applicable
CAS: 106-24-1	Dermal	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
EC: 203-377-1	Inhalation	Non-applicable	Non-applicable	47,8 mg/m³	Non-applicable
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Oral	Non-applicable	Non-applicable	0,312 mg/kg	Non-applicable
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	0,312 mg/kg	Non-applicable
EC: 943-728-2	Inhalation	Non-applicable	Non-applicable	0,543 mg/m³	Non-applicable
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	Oral	12,25 mg/kg	Non-applicable	3,33 mg/kg	Non-applicable
CAS: Non-applicable	Dermal	10 mg/kg	Non-applicable	3,33 mg/kg	Non-applicable
EC: 947-660-4	Inhalation	17,39 mg/m³	43,48 mg/m³	5,8 mg/m³	14,49 mg/m³

PNEC:

Identification				
Dipropylene Glycol Methyl Ether	STP	4168 mg/L	Fresh water	19 mg/L
CAS: 34590-94-8	Soil	2,74 mg/kg	Marine water	1,9 mg/L
EC: 252-104-2	Intermittent	190 mg/L	Sediment (Fresh water)	70,2 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,02 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Citral	STP	1,6 mg/L	Fresh water	0,007 mg/L
CAS: 5392-40-5	Soil	0,021 mg/kg	Marine water	0,001 mg/L
EC: 226-394-6	Intermittent	0,068 mg/L	Sediment (Fresh water)	0,125 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
3,7-dimethyloctan-3-ol	STP	450 mg/L	Fresh water	0,009 mg/L
CAS: 78-69-3	Soil	0,011 mg/kg	Marine water	0,001 mg/L
EC: 201-133-9	Intermittent	0,089 mg/L	Sediment (Fresh water)	0,082 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
Octanal	STP	3,16 mg/L	Fresh water	0,002 mg/L
CAS: 124-13-0	Soil	0,013 mg/kg	Marine water	0 mg/L
EC: 204-683-8	Intermittent	Non-applicable	Sediment (Fresh water)	0,071 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,007 mg/kg
3,7-dimethylnona-2,6-dienenitrile	STP	0,9 mg/L	Fresh water	0,002 mg/L
CAS: 61792-11-8	Soil	0,05 mg/kg	Marine water	0 mg/L
EC: 263-214-5	Intermittent	0,024 mg/L	Sediment (Fresh water)	0,248 mg/kg
	Oral	0,0247 g/kg	Sediment (Marine water)	0,025 mg/kg
(E)-2-benzylideneoctanal	STP	10 mg/L	Fresh water	0,001 mg/L
CAS: 165184-98-5	Soil	0,398 mg/kg	Marine water	0 mg/L
EC: 639-566-4	Intermittent	0,002 mg/L	Sediment (Fresh water)	3,2 mg/kg
	Oral	0,0066 g/kg	Sediment (Marine water)	0,064 mg/kg
P-mentha-1,4(8)-diene	STP	0,2 mg/L	Fresh water	0,000634 mg/L
CAS: 586-62-9	Soil	0,0291 mg/kg	Marine water	0,000063 mg/L
EC: 209-578-0	Intermittent	0,00634 mg/L	Sediment (Fresh water)	0,147 mg/kg
	Oral	0,01031 g/kg	Sediment (Marine water)	0,0147 mg/kg
Citronellol	STP	580 mg/L	Fresh water	0,002 mg/L
CAS: 106-22-9	Soil	0,004 mg/kg	Marine water	0 mg/L
EC: 203-375-0	Intermittent	0,024 mg/L	Sediment (Fresh water)	0,026 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,003 mg/kg
Geraniol	STP	0,7 mg/L	Fresh water	0,011 mg/L
CAS: 106-24-1	Soil	0,017 mg/kg	Marine water	0,001 mg/L
EC: 203-377-1	Intermittent	0,108 mg/L	Sediment (Fresh water)	0,115 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,011 mg/kg
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	STP	10 mg/L	Fresh water	0,0075 mg/L
CAS: Non-applicable	Soil	0,041 mg/kg	Marine water	0,00075 mg/L
EC: 943-728-2	Intermittent	0,075 mg/L	Sediment (Fresh water)	0,226 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	STP	1 mg/L	Fresh water	0,00022 mg/L
CAS: Non-applicable	Soil	0,014 mg/kg	Marine water	0,000022 mg/L
EC: 947-660-4	Intermittent	Non-applicable	Sediment (Fresh water)	0,07 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,007 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks	CE CAT I		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	65,08 % weight
V.O.C. density at 20 ºC:	624,56 kg/m³ (624,56 g/L)
Average carbon number:	7,16
Average molecular weight:	145,07 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES **

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Characteristic
Colour:	Characteristic

*Not relevant due to the nature of the product, not providing information property of its hazards.

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES ** (continued)

Odour:	Aromatic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	192 ºC
Vapour pressure at 20 ºC:	56 Pa
Vapour pressure at 50 ºC:	403,84 Pa (0,4 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	959,6 kg/m³
Relative density at 20 ºC:	0,96
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	≈7
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	78 ºC (Does not maintain combustion)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	195 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

*** Changes with regards to the previous version*

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION **

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: 7-methyl-3-methyleneocta-1,6-diene (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dipropylene Glycol Methyl Ether	LD50 oral	>5000 mg/kg	Rat
CAS: 34590-94-8	LD50 dermal	9510 mg/kg	Rabbit
EC: 252-104-2	LC50 inhalation	>20 mg/L	
Citral	LD50 oral	>2000 mg/kg	
CAS: 5392-40-5	LD50 dermal	2250 mg/kg	Rabbit
EC: 226-394-6	LC50 inhalation	>20 mg/L	
3-methoxy-3-methylbutan-1-ol	LD50 oral	>2000 mg/kg	
CAS: 56539-66-3	LD50 dermal	>2000 mg/kg	
EC: 260-252-4	LC50 inhalation	>20 mg/L	
3,7-dimethyloctan-3-ol	LD50 oral	>2000 mg/kg	
CAS: 78-69-3	LD50 dermal	>2000 mg/kg	
EC: 201-133-9	LC50 inhalation	>20 mg/L	
3,7-dimethylnona-2,6-dienenitrile	LD50 oral	2600 mg/kg	Rat
CAS: 61792-11-8	LD50 dermal	>2000 mg/kg	
EC: 263-214-5	LC50 inhalation	>20 mg/L	
(E)-2-benzylideneoctanal	LD50 oral	3100 mg/kg	Rat
CAS: 165184-98-5	LD50 dermal	>2000 mg/kg	
EC: 639-566-4	LC50 inhalation	>5 mg/L	
Octanal	LD50 oral	4617 mg/kg	Rat
CAS: 124-13-0	LD50 dermal	5207 mg/kg	Rabbit
EC: 204-683-8	LC50 inhalation	>20 mg/L	
d-limonene	LD50 oral	>2000 mg/kg	
CAS: 5989-27-5	LD50 dermal	>2000 mg/kg	
EC: 227-813-5	LC50 inhalation	Non-applicable	
P-mentha-1,4(8)-diene	LD50 oral	>2000 mg/kg	
CAS: 586-62-9	LD50 dermal	>2000 mg/kg	
EC: 209-578-0	LC50 inhalation	>20 mg/L	
Citronellol	LD50 oral	3450 mg/kg	Rat
CAS: 106-22-9	LD50 dermal	2650 mg/kg	
EC: 203-375-0	LC50 inhalation	>20 mg/L	
Geraniol	LD50 oral	4200 mg/kg	Rat
CAS: 106-24-1	LD50 dermal	5100 mg/kg	Rabbit
EC: 203-377-1	LC50 inhalation	>20 mg/L	

*** Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Identification	Acute toxicity		Genus
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	LD50 oral	3900 mg/kg	Rat
CAS: Non-applicable	LD50 dermal	>5000 mg/kg	Rabbit
EC: 943-728-2	LC50 inhalation	>20 mg/L	
7-methyl-3-methyleneocta-1,6-diene	LD50 oral	>2000 mg/kg	
CAS: 123-35-3	LD50 dermal	>2000 mg/kg	
EC: 204-622-5	LC50 inhalation	>20 mg/L	
Undecanal	LD50 oral	>2000 mg/kg	
CAS: 112-44-7	LD50 dermal	>2000 mg/kg	
EC: 203-972-6	LC50 inhalation	Non-applicable	
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	LD50 oral	>2000 mg/kg	
CAS: Non-applicable	LD50 dermal	>2000 mg/kg	
EC: 947-660-4	LC50 inhalation	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

*** Changes with regards to the previous version*

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dipropylene Glycol Methyl Ether	LC50	10000 mg/L (96 h)	Pimephales promelas	Fish
CAS: 34590-94-8	EC50	1919 mg/L (48 h)	Daphnia magna	Crustacean
EC: 252-104-2	EC50	Non-applicable		
Citral	LC50	6,1 mg/L (24 h)	Oryzias latipes	Fish
CAS: 5392-40-5	EC50	11 mg/L (24 h)	Daphnia magna	Crustacean
EC: 226-394-6	EC50	16 mg/L (72 h)	Scenedesmus subspicatus	Algae
d-limonene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 5989-27-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 227-813-5	EC50	>0.1 - 1 mg/L (72 h)		Algae
3,7-dimethyloctan-3-ol	LC50	8,9 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 78-69-3	EC50	14,2 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-133-9	EC50	21,6 mg/L (72 h)	Scenedesmus subspicatus	Algae
Octanal	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 124-13-0	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 204-683-8	EC50	>1 - 10 mg/L (72 h)		Algae
3,7-dimethylnona-2,6-dienenitrile	LC50	2,4 mg/L (96 h)	QSAR	Fish
CAS: 61792-11-8	EC50	2,7 mg/L (48 h)	Daphnia magna	Crustacean
EC: 263-214-5	EC50	3,6 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Concentration		Species	Genus
(E)-2-benzylideneoctanal	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 165184-98-5	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 639-566-4	EC50	>0.1 - 1 mg/L (72 h)		Algae
P-mentha-1,4(8)-diene	LC50	0,8 mg/L (96 h)	Danio rerio	Fish
CAS: 586-62-9	EC50	0,63 mg/L (48 h)	Daphnia magna	Crustacean
EC: 209-578-0	EC50	0,7 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: Non-applicable	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 943-728-2	EC50	>1 - 10 mg/L (72 h)		Algae
7-methyl-3-methyleneocta-1,6-diene	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 123-35-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 204-622-5	EC50	>0.1 - 1 mg/L (72 h)		Algae
Undecanal	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 112-44-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 203-972-6	EC50	>0.1 - 1 mg/L (72 h)		Algae
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: Non-applicable	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 947-660-4	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dipropylene Glycol Methyl Ether	NOEC	Non-applicable		
CAS: 34590-94-8 EC: 252-104-2	NOEC	0,5 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Dipropylene Glycol Methyl Ether	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 34590-94-8	COD	0 g O2/g	Period	28 days
EC: 252-104-2	BOD5/COD	Non-applicable	% Biodegradable	73 %
Citral	BOD5	0,56 g O2/g	Concentration	100 mg/L
CAS: 5392-40-5	COD	1,99 g O2/g	Period	28 days
EC: 226-394-6	BOD5/COD	0,28	% Biodegradable	92 %
3,7-dimethyloctan-3-ol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 78-69-3	COD	Non-applicable	Period	28 days
EC: 201-133-9	BOD5/COD	Non-applicable	% Biodegradable	61 %
Octanal	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 124-13-0	COD	Non-applicable	Period	28 days
EC: 204-683-8	BOD5/COD	Non-applicable	% Biodegradable	46 %
3,7-dimethylnona-2,6-dienenitrile	BOD5	Non-applicable	Concentration	20 mg/L
CAS: 61792-11-8	COD	Non-applicable	Period	28 days
EC: 263-214-5	BOD5/COD	Non-applicable	% Biodegradable	32 %
P-mentha-1,4(8)-diene	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 586-62-9	COD	Non-applicable	Period	28 days
EC: 209-578-0	BOD5/COD	Non-applicable	% Biodegradable	81 %
Geraniol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-24-1	COD	Non-applicable	Period	21 days
EC: 203-377-1	BOD5/COD	Non-applicable	% Biodegradable	70 %
7-methyl-3-methyleneocta-1,6-diene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 123-35-3	COD	Non-applicable	Period	14 days
EC: 204-622-5	BOD5/COD	Non-applicable	% Biodegradable	86 %

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Degradability		Biodegradability	
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	BOD5	Non-applicable	Concentration	30 mg/L
CAS: Non-applicable	COD	Non-applicable	Period	28 days
EC: 947-660-4	BOD5/COD	Non-applicable	% Biodegradable	41 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether	BCF	1
CAS: 34590-94-8	Pow Log	-0.06
EC: 252-104-2	Potential	Low
Citral	BCF	10
CAS: 5392-40-5	Pow Log	3.45
EC: 226-394-6	Potential	Low
3,7-dimethyloctan-3-ol	BCF	99
CAS: 78-69-3	Pow Log	3.3
EC: 201-133-9	Potential	Moderate
Octanal	BCF	100
CAS: 124-13-0	Pow Log	2.78
EC: 204-683-8	Potential	High
3,7-dimethylnona-2,6-dienenitrile	BCF	60
CAS: 61792-11-8	Pow Log	3.1
EC: 263-214-5	Potential	Moderate
P-mentha-1,4(8)-diene	BCF	334
CAS: 586-62-9	Pow Log	4.29
EC: 209-578-0	Potential	High
Geraniol	BCF	110
CAS: 106-24-1	Pow Log	3.56
EC: 203-377-1	Potential	High
7-methyl-3-methyleneocta-1,6-diene	BCF	324
CAS: 123-35-3	Pow Log	5.29
EC: 204-622-5	Potential	High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
3,7-dimethyloctan-3-ol	Koc	56	Henry	5,54 Pa·m³/mol
CAS: 78-69-3	Conclusion	Very High	Dry soil	Yes
EC: 201-133-9	Surface tension	2,678E-2 N/m (25 ºC)	Moist soil	Yes
Octanal	Koc	430	Henry	Non-applicable
CAS: 124-13-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 204-683-8	Surface tension	2,733E-2 N/m (25 ºC)	Moist soil	Non-applicable
3,7-dimethylnona-2,6-dienenitrile	Koc	1000	Henry	Non-applicable
CAS: 61792-11-8	Conclusion	Low	Dry soil	Non-applicable
EC: 263-214-5	Surface tension	Non-applicable	Moist soil	Non-applicable
P-mentha-1,4(8)-diene	Koc	1120	Henry	Non-applicable
CAS: 586-62-9	Conclusion	Low	Dry soil	Non-applicable
EC: 209-578-0	Surface tension	2,865E-2 N/m (25 ºC)	Moist soil	Non-applicable
7-methyl-3-methyleneocta-1,6-diene	Koc	1300	Henry	6515,2 Pa·m³/mol
CAS: 123-35-3	Conclusion	Low	Dry soil	Non-applicable
EC: 204-622-5	Surface tension	Non-applicable	Moist soil	Yes
Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol	Koc	282	Henry	Non-applicable
CAS: Non-applicable	Conclusion	Moderate	Dry soil	Non-applicable
EC: 947-660-4	Surface tension	5,22E-2 N/m (20 ºC)	Moist soil	Non-applicable

*** Changes with regards to the previous version*

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

*** Changes with regards to the previous version*

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
07 01 04*	other organic solvents, washing liquids and mother liquors	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION **

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	**UN number or ID number:**	Non-applicable
14.2	**UN proper shipping name:**	Non-applicable
14.3	**Transport hazard class(es):**	Non-applicable
	Labels:	Non-applicable
14.4	**Packing group:**	Non-applicable
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:

SECTION 14: TRANSPORT INFORMATION ** (continued)

14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3,7-dimethylnona-2,6-dienenitrile; d-limonene)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	335, 969, 274
	EmS Codes:	F-A, S-F
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:

14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3,7-dimethylnona-2,6-dienenitrile; d-limonene)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

*** Changes with regards to the previous version*

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Geraniol (Product-type 18, 19)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMMISSION REGULATION (EU) 2020/878
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
- New declared substances
  - Citral (5392-40-5)
  - d-limonene (5989-27-5)
  - (E)-2-benzylideneoctanal (165184-98-5)
  - Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
  - Undecanal (112-44-7)
  - Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol
- Removed substances
  - Decanal (112-31-2)
  - (E)-2-benzylideneoctanal (165184-98-5)
  - d-limonene (5989-27-5)
  - citral (5392-40-5)
  - Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
  - Citrathal (147060-73-9)

Substances that contribute to the classification (SECTION 2):
- New declared substances
  - d-limonene (5989-27-5)
- Removed substances
  - (E)-2-benzylideneoctanal (165184-98-5)
  - d-limonene (5989-27-5)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
- Pictograms
- Hazard statements
- Substances contained in EUH208:
  - New declared substances
    - Citral (5392-40-5)
    - (E)-2-benzylideneoctanal (165184-98-5)
    - Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
    - Acid Catalysed reaction products of 3,7-dimethyl-2,6-octadienal in the presence of ethanol
  - Removed substances
    - citral (5392-40-5)
    - Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
    - Citrathal (147060-73-9)

Information on basic physical and chemical properties (SECTION 9):
- Flash Point

TRANSPORT INFORMATION (SECTION 14):
- UN number
- Packing group

Texts of the legislative phrases mentioned in section 2:

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

Texts of the legislative phrases mentioned in section 3:

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION ** (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1B: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

- END OF SAFETY DATA SHEET -