

# \* FRAGRANCE This SDS is an English translation of Regulation (EU) no 2015/830, without any country-specific legislation

#### **RIPE PLUM - FR4590**



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

1.1 **Product identifier:** RIPE PLUM - FR4590

Other means of identification:

Non-applicable

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

Relevant uses: Fragrance. For industrial user only.

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:

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# **SECTION 2: HAZARDS IDENTIFICATION**

#### Classification of the substance or mixture: 2.1

#### 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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

#### 2.2 **Label elements:**

#### CLP Regulation (EC) No 1272/2008:

# Warning





#### **Hazard statements:**

Aguatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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

#### **Precautionary statements:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P391: Collect spillage.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

# **Supplementary information:**

Contains 4-TERT-BUTYLDIHYDROCINNAMALDEHYDE, DIHYDRO PENTAMETHYLINDANONE, HYDROXYCITRONELLAL, ROSE KFTONF-3.

- CONTINUED ON NEXT PAGE -

#### Substances that contribute to the classification

LINALOOL; TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES

#### 2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Non-applicable

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

#### 3.2 Mixture:

Chemical description: Mixture of substances

Components:

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

	Identification		Chemical name/Classification	Concentration
CAS: EC:	78-70-6 201-134-4	LINALOOL(1)	Self-classified	
Index:	Non-applicable 01-2119474016-42- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	2,5 - <10 %
CAS:	54464-57-2	TETRAMETHYL ACET	YLOCTAHYDRONAPHTHALENES(1) Self-classified	
	259-174-3 Non-applicable 01-2119489989-04- XXXX	Regulation 1272/2008	Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	1 - <2,5 %
CAS: EC:	103-05-9 203-074-4	METHYL PHENYLBUT	Self-classified Self-classified	
Index:	Non-applicable Non-applicable *	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning	1 - <2,5 %
CAS:	1222-05-5	HEXAMETHYLINDAN	OPYRAN(1) ATP ATP01	
REACH:	214-946-9 Non-applicable 01-2119488227-29- XXXX	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	1 - <2,5 %
CAS: EC:	107-75-5 203-518-7	HYDROXYCITRONEL	LAL <sup>(1)</sup> Self-classified	
Index:	203-518-7 Non-applicable 01-2119973482-31- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	<1 %
CAS:	33704-61-9	DIHYDRO PENTAMET	THYLINDANONE <sup>(1)</sup> Self-classified	
	251-649-3 Non-applicable 01-2119977131-40- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	<1 %
CAS: EC:	18127-01-0 242-016-2	4-TERT-BUTYLDIHY	DROCINNAMALDEHYDE (1) Self-classified	
Index:	Non-applicable 01-2119983533-30- XXXX	Regulation 1272/2008	Aquatic Chronic 3: H412; Repr. 2: H361; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT RE 2: H373 - Warning	<1 %
CAS: EC:	57378-68-4 260-709-8	ROSE KETONE-3(1)	Self-classified	
Index:	Non-applicable 01-2119535122-53- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning	<1 %

<sup>\*</sup>There is not a registration number available for this substance due to the substance or its use are exempt from a registration number; According to article 2, article 15 of Regulation (CE) 1907/2006, the annual tonnage does not need to be registered

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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

# **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 is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

# By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

# By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

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# SECTION 4: FIRST AID MEASURES (continued)

#### 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, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

#### Unsuitable extinguishing media:

Non-applicable

#### 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. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

#### For emergency responders:

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:

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# SECTION 7: HANDLING AND STORAGE (continued)

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 destroy using safe methods (section 6).

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

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on 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

Minimum Temp.: 5 °C

Maximum time: 24 Months

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):

There are no applicable occupational exposure limits for the substances contained in the product

# **DNEL (Workers):**

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
LINALOOL	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 78-70-6	Dermal	Non-applicable	Non-applicable	3,5 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	Non-applicable	Non-applicable	24,58 mg/m <sup>3</sup>	Non-applicable
METHYL PHENYLBUTANOL	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 103-05-9	Dermal	Non-applicable	Non-applicable	0,175 mg/kg	Non-applicable
EC: 203-074-4	Inhalation	Non-applicable	Non-applicable	2,19 mg/m <sup>3</sup>	Non-applicable
HEXAMETHYLINDANOPYRAN	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1222-05-5	Dermal	Non-applicable	Non-applicable	36,7 mg/kg	Non-applicable
EC: 214-946-9	Inhalation	Non-applicable	Non-applicable	13,5 mg/m <sup>3</sup>	Non-applicable
HYDROXYCITRONELLAL	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 107-75-5	Dermal	Non-applicable	Non-applicable	1,9 mg/kg	Non-applicable
EC: 203-518-7	Inhalation	Non-applicable	Non-applicable	18 mg/m <sup>3</sup>	Non-applicable
DIHYDRO PENTAMETHYLINDANONE	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 33704-61-9	Dermal	Non-applicable	Non-applicable	0,42 mg/kg	Non-applicable
EC: 251-649-3	Inhalation	Non-applicable	Non-applicable	1,47 mg/m <sup>3</sup>	Non-applicable
4-TERT-BUTYLDIHYDROCINNAMALDEHYDE	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 18127-01-0	Dermal	3,57 mg/kg	Non-applicable	0,89 mg/kg	Non-applicable
EC: 242-016-2	Inhalation	0,88 mg/m <sup>3</sup>	0,88 mg/m <sup>3</sup>	0,308 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>

# **DNEL (General population):**



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	Short exposure		exposure
Identification		Systemic	Local	Systemic	Local
LINALOOL	Oral	Non-applicable	Non-applicable	2,49 mg/kg	Non-applicable
CAS: 78-70-6	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
EC: 201-134-4	Inhalation	Non-applicable	Non-applicable	4,33 mg/m <sup>3</sup>	Non-applicable
METHYL PHENYLBUTANOL	Oral	Non-applicable	Non-applicable	0,222 mg/kg	Non-applicable
CAS: 103-05-9	Dermal	Non-applicable	Non-applicable	0,0208 mg/kg	Non-applicable
EC: 203-074-4	Inhalation	Non-applicable	Non-applicable	0,386 mg/m <sup>3</sup>	Non-applicable
HEXAMETHYLINDANOPYRAN	Oral	Non-applicable	Non-applicable	2,3 mg/kg	Non-applicable
CAS: 1222-05-5	Dermal	Non-applicable	Non-applicable	22 mg/kg	Non-applicable
EC: 214-946-9	Inhalation	Non-applicable	Non-applicable	4 mg/m³	Non-applicable
HYDROXYCITRONELLAL	Oral	Non-applicable	Non-applicable	0,6 mg/kg	Non-applicable
CAS: 107-75-5	Dermal	Non-applicable	Non-applicable	1,1 mg/kg	Non-applicable
EC: 203-518-7	Inhalation	Non-applicable	Non-applicable	5,4 mg/m <sup>3</sup>	Non-applicable
DIHYDRO PENTAMETHYLINDANONE	Oral	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
CAS: 33704-61-9	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
EC: 251-649-3	Inhalation	Non-applicable	Non-applicable	0,44 mg/m <sup>3</sup>	Non-applicable
4-TERT-BUTYLDIHYDROCINNAMALDEHYDE	Oral	26,88 mg/kg	Non-applicable	0,03 mg/kg	Non-applicable
CAS: 18127-01-0	Dermal	1,79 mg/kg	Non-applicable	0,45 mg/kg	Non-applicable
EC: 242-016-2	Inhalation	0,22 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>	0,0544 mg/m <sup>3</sup>	0,22 mg/m <sup>3</sup>

#### PNEC:

Identification				
LINALOOL	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: 78-70-6	Soil	0,327 mg/kg	Marine water	0,02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
METHYL PHENYLBUTANOL	STP	7,09 mg/L	Fresh water	0,0696 mg/L
CAS: 103-05-9	Soil	0,225 mg/kg	Marine water	0,00696 mg/L
EC: 203-074-4	Intermittent	0,696 mg/L	Sediment (Fresh water)	1,33 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,133 mg/kg
HEXAMETHYLINDANOPYRAN	STP	1 mg/L	Fresh water	0,0068 mg/L
CAS: 1222-05-5	Soil	1,5 mg/kg	Marine water	0,00044 mg/L
EC: 214-946-9	Intermittent	Non-applicable	Sediment (Fresh water)	2 mg/kg
	Oral	20,4 g/kg	Sediment (Marine water)	0,394 mg/kg
HYDROXYCITRONELLAL	STP	10 mg/L	Fresh water	0,0316 mg/L
CAS: 107-75-5	Soil	0,011 mg/kg	Marine water	0,00316 mg/L
EC: 203-518-7	Intermittent	0,316 mg/L	Sediment (Fresh water)	0,145 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,015 mg/kg
DIHYDRO PENTAMETHYLINDANONE	STP	10 mg/L	Fresh water	0,004 mg/L
CAS: 33704-61-9	Soil	0,0174 mg/kg	Marine water	0 mg/L
EC: 251-649-3	Intermittent	Non-applicable	Sediment (Fresh water)	0,0991 mg/kg
	Oral	0,00111 g/kg	Sediment (Marine water)	0,00991 mg/kg
4-TERT-BUTYLDIHYDROCINNAMALDEHYDE	STP	3,16 mg/L	Fresh water	0,00105 mg/L
CAS: 18127-01-0	Soil	0,0202 mg/kg	Marine water	0,000105 mg/L
EC: 242-016-2	Intermittent	0,0105 mg/L	Sediment (Fresh water)	0,104 mg/kg
	Oral	0,00017 g/kg	Sediment (Marine water)	0,0104 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

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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours	CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

# C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		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.	CATII	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	CATI		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	CATII	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): 3,24 % weight

V.O.C. density at 20 °C: 32,76 kg/m³ (32,76 g/L)

Average carbon number: 9,91

Average molecular weight: 153,57 g/mol

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties:

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

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# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

For complete information see the product datasheet.

**Appearance:** 

Physical state at 20 °C:

Appearance:

Colour:

Colour:

Colour:

Characteristic

Odour threshold:

Non-applicable \*

Volatility:

Boiling point at atmospheric pressure:

Vapour pressure at 20 °C:

Vapour pressure at 50 °C:

Evaporation rate at 20 °C:

Non-applicable \*

Non-applicable \*

Non-applicable \*

**Product description:** 

Density at 20 °C: 1001 - 1021 kg/m<sup>3</sup> Relative density at 20 °C: Non-applicable \* Dynamic viscosity at 20 °C: Non-applicable \* Kinematic viscosity at 20 °C: Non-applicable \* Kinematic viscosity at 40 °C: Non-applicable \* Concentration: Non-applicable \* pH: Non-applicable \* Vapour density at 20 °C: Non-applicable \* Partition coefficient n-octanol/water 20 °C: Non-applicable \* Solubility in water at 20 °C: Non-applicable \* Solubility properties: Non-applicable \* Decomposition temperature: Non-applicable \* Melting point/freezing point: Non-applicable \*

Flammability:

Flash Point: Non Flammable (>60 °C)

Flammability (solid, gas):

Autoignition temperature:

Lower flammability limit:

Upper flammability limit:

Non-applicable \*

Non-applicable \*

Non-applicable \*

**Particle characteristics:** 

Median equivalent diameter: Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:

Oxidising properties:

Corrosive to metals:

Heat of combustion:

Aerosols-total percentage (by mass) of flammable

Non-applicable \*

Non-applicable \*

Non-applicable \*

components:

Other safety characteristics:

Surface tension at 20 °C:

Refraction index:

1,4451 - 1,4551

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

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# SECTION 10: STABILITY AND REACTIVITY

# 10.1 Reactivity:

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	Not applicable	Not applicable	Not applicable

# 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others	
Avoid strong acids	Not applicable	Not applicable	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<sub>2</sub>), carbon monoxide and other organic compounds.

# SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects:

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

#### **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, however, it contains substances classified as dangerous for consumption. For more information see section 3.
  - Corrosivity/Irritability: 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.
- 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: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
  - Contact with the eyes: 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.
- 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: BENZYL ACETATE (3); COUMARIN (3)

- 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. However, it does 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.
- F- Specific target organ toxicity (STOT) single exposure:



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# SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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. However, it does contain substances which are classified as dangerous due to repetitive exposure. 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, as it does not 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	Ad	Acute toxicity		
LINALOOL	LD50 oral	3000 mg/kg	Rat	
CAS: 78-70-6	LD50 dermal	5610 mg/kg	Rabbit	
EC: 201-134-4	LC50 inhalation	Non-applicable		
DIHYDRO PENTAMETHYLINDANONE	LD50 oral	2900 mg/kg	Rat	
CAS: 33704-61-9	LD50 dermal	Non-applicable		
EC: 251-649-3	LC50 inhalation	Non-applicable		
4-TERT-BUTYLDIHYDROCINNAMALDEHYDE	LD50 oral	2500 mg/kg	Rat	
CAS: 18127-01-0	LD50 dermal	Non-applicable		
EC: 242-016-2	LC50 inhalation	Non-applicable		
ROSE KETONE-3	LD50 oral	1600 mg/kg	Rat	
CAS: 57378-68-4	LD50 dermal	Non-applicable		
EC: 260-709-8	LC50 inhalation	Non-applicable		

# 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:** 

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# SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Concentration	Species	Genus
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	LC50	>0.1 - 1 (96 h)		Fish
CAS: 54464-57-2	EC50	>0.1 - 1 (48 h)		Crustacean
EC: 259-174-3	EC50	>0.1 - 1 (72 h)		Algae
METHYL PHENYLBUTANOL	LC50	>10 - 100 (96 h)		Fish
CAS: 103-05-9	EC50	>10 - 100 (48 h)		Crustacean
EC: 203-074-4	EC50	>10 - 100 (72 h)		Algae
HEXAMETHYLINDANOPYRAN	LC50	0,95 mg/L (96 h)	Oryzias latipes	Fish
CAS: 1222-05-5	EC50	0,194 mg/L (48 h)	Daphnia magna	Crustacean
EC: 214-946-9	EC50	0,723 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
DIHYDRO PENTAMETHYLINDANONE	LC50	2,12 mg/L (96 h)	Oryzias latipes	Fish
CAS: 33704-61-9	EC50	1,5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 251-649-3	EC50	10 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-TERT-BUTYLDIHYDROCINNAMALDEHYDE	LC50	>10 - 100 (96 h)		Fish
CAS: 18127-01-0	EC50	>10 - 100 (48 h)		Crustacean
EC: 242-016-2	EC50	>10 - 100 (72 h)		Algae
ROSE KETONE-3	LC50	>0.1 - 1 (96 h)		Fish
CAS: 57378-68-4	EC50	>0.1 - 1 (48 h)		Crustacean
EC: 260-709-8	EC50	>0.1 - 1 (72 h)		Algae

# 12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
LINALOOL	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 78-70-6	COD	Non-applicable	Period	28 days
EC: 201-134-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
METHYL PHENYLBUTANOL	BOD5	Non-applicable	Concentration	20 mg/L
CAS: 103-05-9	COD	Non-applicable	Period	28 days
EC: 203-074-4	BOD5/COD	Non-applicable	% Biodegradable	53,7 %
DIHYDRO PENTAMETHYLINDANONE	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 33704-61-9	COD	Non-applicable	Period	28 days
EC: 251-649-3	BOD5/COD	Non-applicable	% Biodegradable	0 %

# 12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
LINALOOL	BCF	
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	



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# SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
HEXAMETHYLINDANOPYRAN	BCF	1584
CAS: 1222-05-5	Pow Log	5.9
EC: 214-946-9	Potential	Very High
DIHYDRO PENTAMETHYLINDANONE	BCF	82
CAS: 33704-61-9	Pow Log	4.2
EC: 251-649-3	Potential	Moderate

# 12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
METHYL PHENYLBUTANOL	Koc	154.8	Henry	Non-applicable
CAS: 103-05-9	Conclusion	High	Dry soil	Non-applicable
EC: 203-074-4	Surface tension	Non-applicable	Moist soil	Non-applicable
DIHYDRO PENTAMETHYLINDANONE	Koc	200	Henry	Non-applicable
CAS: 33704-61-9	Conclusion	Moderate	Dry soil	Non-applicable
EC: 251-649-3	Surface tension	Non-applicable	Moist soil	Non-applicable

#### 12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

#### 12.6 Other adverse effects:

Not described

# SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)	
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous	

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

HP14 Ecotoxic

#### 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:



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# SECTION 14: TRANSPORT INFORMATION (continued)



UN3082 14.1 UN number:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 14.2 UN proper shipping name:

(TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

14.3 Transport hazard class(es):

Labels: 9

14.4 Packing group: TTT 14.5 Environmental hazards: Yes

14.6 Special precautions for user

Special regulations: 274, 335, 375, 601

Tunnel restriction code:

Physico-Chemical properties: see section 9

Limited quantities: 5 L

14.7 Transport in bulk according to Annex II of Marpol and

the IBC Code:

Non-applicable

#### Transport of dangerous goods by sea:

With regard to IMDG 40-20:

14.1 UN number: UN3082

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIOUID, N.O.S.

(TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

14.3 Transport hazard class(es): Labels: 9

14.4 Packing group: III14.5 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 Transport in bulk according Non-applicable

to Annex II of Marpol and the IBC Code:

#### Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:



14.1 UN number: UN3082

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

14.3 Transport hazard class(es): Labels: 9

14.4 Packing group: III14.5 Environmental hazards: Yes

14.6 Special precautions for user

Physico-Chemical properties: see section 9 14.7 Transport in bulk according

to Annex II of Marpol and

the IBC Code:

Non-applicable

# 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

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# SECTION 15: REGULATORY INFORMATION (continued)

Article 95, REGULATION (EU) No 528/2012: Non-applicable

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

#### Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

# 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.

#### 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 (Regulation (EC) No 2015/830).

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

Non-applicable

# Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

# Texts of the legislative phrases mentioned in section 3:

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:

Acute Tox. 4: H302 - Harmful if swallowed.

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.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

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

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

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

#### Classification procedure:

Skin Sens. 1B: Calculation method Aquatic Chronic 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:

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# SECTION 16: OTHER INFORMATION (continued)

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.