

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 04.12.2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

 Trade name
 : EGYPTIAN MUSK #EU13735F

 UFI
 : D717-Y10V-H00Q-CTU1

Product code : EU13735F

Type of product : Perfumes, fragrances
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use

Industrial/Professional use spec : Industrial

For professional use only
: Perfumes, fragrances

Function or use category : Odour agents

1.2.2. Uses advised against

Use of the substance/mixture

No additional information available

1.3. Details of the supplier of the safety data sheet

FRENCH COLOR & FRAGRANCE International GmbH

Mittlerer Weg 35 DE- 79424 Auggen

Germany

T 49-7631-931-8900

SDS@frenchcolor.com - www.frenchcolor.com

1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;

Brazil: +0-800-591-6042; India: +000-800-100-4086

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Carcinogenicity, Category 2 H351
Hazardous to the aquatic environment – Acute Hazard, H400

Category 1

Hazardous to the aquatic environment – Chronic Hazard, H411

Category 2

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

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

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2.2. Label elements

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

Hazard pictograms (CLP)







GHS07

GHS08

GHS09

Signal word (CLP) : Warning

Contains : Benzyl benzoate; Amyl salicylate; ACETYL HEXAMETHYL TETRALIN; Musk ketone;

CUPRESSUS FUNEBRIS WOOD OIL; Iso E Super; COUMARIN; Hydroxy; Heliotropine;

Eugenol; Linalool; Patchouli oil; Geraniol; Nerol

Hazard statements (CLP) : H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H351 - Suspected of causing cancer.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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

Extra phrases : For professional users only.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	15 – 30	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227-	5,4 – 10,75	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl vanillin	CAS-No.: 121-32-4 EC-No.: 204-464-7 REACH-no: 01-211958961-24	1,3 – 2,5	Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amyl salicylate	CAS-No.: 2050-08-0 EC-No.: 218-080-2 REACH-no: 01-2119969444- 27	1,3 – 2,5	Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410
Sandela	CAS-No.: 66068-84-6 EC-No.: 266-100-3	1,3 – 2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
ACETYL HEXAMETHYL TETRALIN	CAS-No.: 21145-77-7 EC-No.: 244-240-6	0,9 – 1,75	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-000015458-64	0,4 – 1,5	Eye Irrit. 2, H319
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040- 60	0,6 – 1,25	Eye Irrit. 2, H319
musk ketone; 3,5-dinitro-2,6-dimethyl-4-tert-butylacetophenone; 4'-tert-butyl-2', 6'-dimethyl-3',5'-dinitroacetophenone	CAS-No.: 81-14-1 EC-No.: 201-328-9 EC Index-No.: 609-069-00-7	0,5 – 1	Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methyl ionone (mixture of isomers)	CAS-No.: 1335-46-2 EC-No.: 215-635-0	0,5 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
CUPRESSUS FUNEBRIS WOOD OIL	CAS-No.: 85085-29-6 EC-No.: 285-360-9	0,5 – 1	Skin Corr. 1, H314 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0,4 – 0,85	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Hydroxy	CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482- 31	0,31548 – 0,63096	Eye Irrit. 2, H319 Skin Sens. 1B, H317
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756- 26	0,3 – 0,6	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Heliotropine	CAS-No.: 120-57-0 EC-No.: 204-409-7 REACH-no: 01-2119983608- 21	0,3 – 0,5	Skin Sens. 1B, H317
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802- 33	0,2 - 0,4	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0,2 - 0,4	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Patchouli oil	CAS-No.: 8014-09-3 EC Index-No.: 616-944-7	0,2 - 0,3	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Carbitol substance with national workplace exposure limit(s) (AT, DE, EE, SE, SI, CH)	CAS-No.: 111-90-0 EC-No.: 203-919-7 REACH-no: 01-2119475105- 42	0,14466 – 0,28932	Not classified
Camphene	CAS-No.: 79-92-5 EC-No.: 201-234-8	0,1 – 0,25	Flam. Sol. 2, H228 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-	0,06 – 0,15	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7	0,04 – 0,1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest.

First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Tal

: If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Obtain emergency medical attention. Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

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

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew

with proper protection. For further information refer to section 8: "Exposure

controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Store away from other materials. Notify

authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Provide good ventilation in process area to

prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be

allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store locked up. Store in a well-ventilated place.

Keep cool.

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Incompatible products : Strong bases. Strong acids. Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

musk ketone; 3,5-dinitro-2,6-dimethyl-4-tert-butylacetophenone; 4'-tert-butyl-2', 6'-dimethyl-3',5'-dinitroacetophenone (81-14-1)			
Austria - Occupational Exposure Limits			
OEL chemical category	Group B Carcinogen		
Carbitol (111-90-0)			
Austria - Occupational Exposure Limits			
MAK (OEL TWA)	35 mg/m³		
MAK (OEL TWA) [ppm]	6 ppm		
MAK (OEL STEL)	140 mg/m³		
MAK (OEL STEL) [ppm]	24 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	50,1 mg/m³		
OEL TWA	10 ppm		
OEL chemical category	Skin notation		
Germany - Occupational Exposure Limits (TRGS 900)			
AGW (OEL TWA) [1]	35 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
AGW (OEL TWA) [2]	6 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
Slovenia - Occupational Exposure Limits			
OEL TWA	35 mg/m³		
OEL TWA	6 ppm		
OEL STEL	70 mg/m³		
OEL STEL	12 ppm		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	80 mg/m³		
NGV (OEL TWA) [ppm]	15 ppm		
KTV (OEL STEL)	170 mg/m³		
KTV (OEL STEL) [ppm]	30 ppm		
OEL chemical category	Skin notation		

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Carbitol (111-90-0)		
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	50 mg/m³ (aerosol, inhalable dust, vapour)	
KZGW (OEL STEL)	100 mg/m³ (aerosol, inhalable dust, vapour)	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : light yellow. amber. Conforms to standard.

Odour : characteristic. characteristic.

Not available Odour threshold Melting point Not applicable Freezing point Not available Boiling point Not available Flammability : Not applicable Lower explosion limit : Not available : Not available Upper explosion limit · > 93 °C Flash point : Not available Auto-ignition temperature Decomposition temperature Not available рΗ Not available Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available : Not available Density Relative density : 1,03 Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
	Harmful if swallowed.			
Acute toxicity (dermal) : Acute toxicity (inhalation) :	Not classified Not classified			
EGYPTIAN MUSK #EU13735F	1.131.51.00.05.11.00			
ATE CLP (oral)	1350,071 mg/kg bodyweight			
benzyl benzoate (120-51-4)				
LD50 oral rat	500 mg/kg (Source: NLM_CIP)			
LD50 oral	1160 mg/kg bodyweight			
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylir	ndeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)			
LD50 oral rat	> 3250 mg/kg (Source: CHEMVIEW)			
LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)			
Ethyl vanillin (121-32-4)				
LD50 oral rat	1590 mg/kg (Source: NLM_CIP)			
LD50 oral	3000 mg/kg bodyweight			
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)			
Amyl salicylate (2050-08-0)				
LD50 oral rat	4100 mg/kg (Source: NZ_CCID)			
LD50 oral	2000 mg/kg bodyweight			
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)			
Sandela (66068-84-6)				
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)			
LC50 Inhalation - Rat	> 5,27 mg/l/4h			
ACETYL HEXAMETHYL TETRALIN (21145-77-7)				
LD50 oral rat	570 mg/kg (Source: NLM_CIP)			
LD50 oral	1000 mg/kg bodyweight			
LD50 dermal rabbit	> 5 g/kg (Source: NLM_HSDB)			
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mix	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) (63500-71-0)			
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)			
Vanillin (121-33-5)				
LD50 dermal rabbit	> 5010 mg/kg (Source: OECD_SIDS)			
LD50 dermal	2600 mg/kg bodyweight			
musk ketone; 3,5-dinitro-2,6-dimethyl-4-tert-butylacetophenone; 4'-tert-butyl-2', 6'-dimethyl-3',5'-dinitroacetophenone (81-14-1)				
LD50 oral rat	10 g/kg			
LD50 dermal rabbit	> 10 g/kg (Source: NLM_HSDB)			
LC50 Inhalation - Rat	> 2,99 mg/l/4h			

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Methyl ionone (mixture of isomers) (1335-46-2)			
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
LD50 dermal	2900 mg/kg bodyweight		
COUMARIN (91-64-5)			
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)		
LD50 oral	290 mg/kg bodyweight		
LD50 dermal rat	293 mg/kg (Source: ECHA_API)		
Hydroxy (107-75-5)			
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)		
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)		
Heliotropine (120-57-0)			
LD50 oral rat	2700 mg/kg (Source: NLM_CIP)		
LD50 oral	2700 mg/kg bodyweight		
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)		
Eugenol (97-53-0)			
LD50 oral rat	1930 mg/kg (Source: NZ_CCID)		
LD50 oral	2500 mg/kg bodyweight		
Carbitol (111-90-0)			
LD50 oral rat	10502 mg/kg (Source: OECD_SIDS)		
LD50 dermal rabbit	9143 mg/kg (Source: OECD_SIDS)		
LC50 Inhalation - Rat	> 5240 mg/m³ (Exposure time: 4 h Source: NLM_CIP)		
Linalool (78-70-6)			
LD50 oral	2790 mg/kg bodyweight		
Patchouli oil (8014-09-3)			
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)		
Camphene (79-92-5)			
LD50 oral rat	5600 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg		
Geraniol (106-24-1)			
LD50 oral rat	3600 mg/kg (Source: NLM_CIP)		
LD50 oral	3600 mg/kg bodyweight		
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)		
Nerol (106-25-2)			
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)		
LD50 oral	4500 mg/kg bodyweight		
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)		
	Causes skin irritation. Causes serious eye irritation.		

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Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

CO	ΙΙΜΔ	RIN	(91.	-64-5)
00			(0.1.	UT-U

IARC group 3 - Not classifiable

Eugenol (97-53-0)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

benzyl benzoate (120-51-4)

Viscosity, kinematic 7,456 mm²/s

Heliotropine (120-57-0)

Viscosity, kinematic Not applicable

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and

symptoms

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Very toxic to aquatic life.

(acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.

(chronic)

(ornorno)			
benzyl benzoate (120-51-4)			
LC50 - Fish [1]	2,32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)		
NOEC (chronic)	0,168 mg/l		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylin	ndeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)		
LC50 - Fish [1]	0,452 mg/l Wolf, 1996d-27682		
LC50 - Other aquatic organisms [1]	> 0,14 mg/l REACH DOSSIER Pimephales promelas		
EC50 - Crustacea [2]	260 μg/l REACH Dossier		
EC50 - Other aquatic organisms [1]	0,131 mg/l REACH Dossier		
Ethyl vanillin (121-32-4)			
LC50 - Fish [1]	81,4 – 94,3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
Vanillin (121-33-5)			
LC50 - Fish [1]	53 – 61,3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		

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Vanillin (121-33-5)	
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])
Methyl ionone (mixture of isomers) (1335-46-2	2)
LC50 - Fish [1]	2,3 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)
Heliotropine (120-57-0)	
LC50 - Fish [1]	2,5 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static] Source: ECHA)
Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
Carbitol (111-90-0)	
LC50 - Fish [1]	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	19100 – 23900 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through] Source: EPA)
EC50 - Crustacea [1]	3940 – 4670 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Linalool (78-70-6)	
EC50 96h - Algae [1]	88,3 mg/l (Species: Desmodesmus subspicatus)
Camphene (79-92-5)	
LC50 - Fish [1]	0,72 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through] Source: IUCLID)
LC50 - Fish [2]	150 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
EC50 - Crustacea [1]	22 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
Geraniol (106-24-1)	
LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)
Nerol (106-25-2)	
LC50 - Fish [1]	20,3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
12.2. Persistence and degradability	
EGYPTIAN MUSK #EU13735F	
Persistence and degradability	Not established.
benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
EGYPTIAN MUSK #EU13735F	
Bioaccumulative potential	Not established.
benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3,97 (at 25 °C)
Bioaccumulative potential	Not established.

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1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)				
BCF - Fish [1]	(1618 dimensionless (whole body w.w.)			
Partition coefficient n-octanol/water (Log Pow)	5,3 (at 25 °C (at pH 7)			
Ethyl vanillin (121-32-4)				
Partition coefficient n-octanol/water (Log Pow)	1,61 (at 25 °C)			
Amyl salicylate (2050-08-0)				
BCF - Fish [1]	(1170 dimensionless (whole body w.w.)			
Partition coefficient n-octanol/water (Log Pow)	4,5 (at 30 °C)			
ACETYL HEXAMETHYL TETRALIN (21145-77-	7)			
Partition coefficient n-octanol/water (Log Pow)	5,7 (at 24 °C)			
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mix	ed isomers (cis and trans) (63500-71-0)			
Partition coefficient n-octanol/water (Log Pow)	1,65 (at 23 °C (at pH >6.09-<6.74)			
Vanillin (121-33-5)				
Partition coefficient n-octanol/water (Log Pow)	1,23 (at 22 °C)			
musk ketone; 3,5-dinitro-2,6-dimethyl-4-tert-b 14-1)	utylacetophenone; 4'-tert-butyl-2', 6'-dimethyl-3',5'-dinitroacetophenone (81-			
Partition coefficient n-octanol/water (Log Pow)	4,24 (at 25 °C)			
Methyl ionone (mixture of isomers) (1335-46-2)				
Partition coefficient n-octanol/water (Log Pow)	(>4.5 - <5 - at 23 °C (at pH 6.2)			
Hydroxy (107-75-5)	Hydroxy (107-75-5)			
Partition coefficient n-octanol/water (Log Pow)	1,68 (at 25 °C)			
Heliotropine (120-57-0)				
Partition coefficient n-octanol/water (Log Pow)	1,2 (at 35 °C)			
Eugenol (97-53-0)				
Partition coefficient n-octanol/water (Log Pow)	1,83 (at 30 °C (at pH 5.5)			
Carbitol (111-90-0)				
Partition coefficient n-octanol/water (Log Pow)	-0,8			
Camphene (79-92-5)				
Partition coefficient n-octanol/water (Log Pow)	4,22 (at 37 °C (at pH 7.2)			
Geraniol (106-24-1)				
Partition coefficient n-octanol/water (Log Pow)	2,6 (at 25 °C)			
Nerol (106-25-2)				
Partition coefficient n-octanol/water (Log Pow)	2,76 (at 30 °C (at pH 6.5)			

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods
Product/Packaging disposal recommendations
Ecology - waste materials
HP Code

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.
- : HP3 "Flammable:"
 - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
 - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
 - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
 - flammable gaseous waste: gaseous waste which is flammable in air at 20 $^{\circ}\text{C}$ and a standard pressure of 101.3 kPa;
 - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
 - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
 - HP6 "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
- HP7 "Carcinogenic:" waste which induces cancer or increases its incidence
- HP14 "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID		
14.1. UN number or ID n	14.1. UN number or ID number					
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082		
14.2. UN proper shippin	g name					
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran) ENVIRONMENTALLY ENVIRONMENTALLY BRIVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran) Transport document description						
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III		

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ADR	IMDG	IATA	ADN	RID	
14.3. Transport hazard class(es)					
9	9	9	9	9	
**************************************	**************************************	**************************************	**************************************	**************************************	
14.4. Packing group					
III	III	III	III	III	
14.5. Environmental hazards					
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	
No supplementary information available					

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3082

Tunnel restriction code (ADR) : -EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP01, P001

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1, TP29

EmS No. (Fire)

EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1

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PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage – Loading upleading : CW13

Special provisions for carriage - Loading, unloading : CW13, CW31

and handling (RID)

Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description	
3(b)	EGYPTIAN MUSK #EU13735F; benzyl benzoate; Amyl salicylate; Sandela; tetrahydro-2- isobutyl-4-methylpyran-4- ol, mixed isomers (cis and trans); musk ketone; 3,5- dinitro-2,6-dimethyl-4-tert- butylacetophenone; 4'- tert-butyl-2', 6'-dimethyl- 3',5'-dinitroacetophenone ; Methyl ionone (mixture of isomers); CUPRESSUS FUNEBRIS WOOD OIL; Iso E Super ; Hydroxy; Eugenol; Linalool; Patchouli oil; Geraniol; Nerol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3(c)	EGYPTIAN MUSK #EU13735F; benzyl benzoate; 1,3,4,6,7,8- hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran; galaxolide; (HHCB); Amyl salicylate; Sandela; musk ketone; 3,5-dinitro-2,6-dimethyl-4- tert-butylacetophenone; 4'-tert-butyl-2', 6'- dimethyl-3',5'- dinitroacetophenone; Methyl ionone (mixture of isomers); CUPRESSUS FUNEBRIS WOOD OIL; Iso E Super; Patchouli oil	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	
40.	Camphene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

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Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).

Observe restrictions according Act on the Protection of Young People in Employment

(JArbSchG).

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BlmSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen

Sandela, CUPRESSUS FUNEBRIS WOOD OIL are listed SZW-lijst van mutagene stoffen Sandela, CUPRESSUS FUNEBRIS WOOD OIL are listed

SZW-lijst van reprotoxische stoffen - Borstvoeding

: None of the components are listed : None of the components are listed

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Young people below the age of 18 years are not allowed to use the product **Danish National Regulations**

Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

The requirements from the Danish Working Environment Authorities regarding work with

carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
IATA	International Air Transport Association	

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Abbreviations and acronyms:		
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

Other information : None.

Full text of H- and EUH-statements:		
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 2	Carcinogenicity, Category 2	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Sol. 2	Flammable solids, Category 2	
H228	Flammable solid.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	

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Full text of H- and EUH-statements:		
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H351	Suspected of causing cancer.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.