

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 8/11/2021

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

#### 1.1. Product identifier

Product form : Mixture

Product name : FRAG0018 Black Cherry Fragrance Oil at 25%
Product code : FRAG0018 Black Cherry Fragrance Oil at 25%

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

Industrial/Professional use spec : For professional use only

Industrial

Use of the substance/mixture : Perfumes, Fragrances Function or use category : Odour agents

#### 1.2.2. Uses advised against

No additional information available

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

No additional information available

#### 1.4. Emergency telephone number

No additional information available

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment - Chronic Hazard Category 3 H412

Full text of H statements : see section 16

## Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

 $P501 - Dispose \ of \ contents/container \ to \ hazardous \ or \ special \ waste \ collection \ point, \ in$ 

accordance with local, regional, national and/or international regulation.

EUH phrases : EUH208 - Contains Hexyl salicylate, Iso E Super, Orange oil . May produce an allergic

reaction.

## 2.3. Other hazards

No additional information available

#### **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

Not applicable



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#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzene carboxaldehyde	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	3.5625 – 7.125	Acute Tox. 4 (Oral), H302
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.23125 – 0.4625	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8; 600-006- 9; 616-926-9 REACH-no: 01-2119493353- 35	0.1875 – 0.375	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Hexyl salicylate	CAS-No.: 6259-76-3 EC-No.: 228-408-6	0.08125 – 0.1625	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Diphenyl oxide substance with a Community workplace exposure limit	CAS-No.: 101-84-8 EC-No.: 202-981-2 REACH-no: 01-2119472545- 33	0.05 – 0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

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

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

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



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#### 5.3. Advice for firefighters

Protection during firefighting

: 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.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment

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

Methods for cleaning up : Take up liquid spill into absorbent material.

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

#### 6.4. Reference to other sections

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. Wear personal protective equipment.

Hygiene measures

: 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 : Store in a well-ventilated place. Keep cool.

#### 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

Benzene carboxaldehyde (100-52-7)	
Bulgaria - Occupational Exposure Limits	
OEL TWA 5 mg/m³	
Finland - Occupational Exposure Limits	
HTP (OEL TWA) [1]	4.4 mg/m³
HTP (OEL TWA) [2]	1 ppm
OEL C	17.4 mg/m³
OEL Ceiling [ppm]	4 ppm



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Hungary - Occupational Exposure Limits	Benzene carboxaldehyde (100-52-7)		
CK (OEL STEL)	Hungary - Occupational Exposure Limits		
Latvia - Occupational Exposure Limits	AK (OEL TWA)	5 mg/m³	
OEL TWA	CK (OEL STEL)	10 mg/m³	
Lithuania - Occupational Exposure Limits	Latvia - Occupational Exposure Limits		
IPRV (OEL TWA)   5 mg/m²     Poland - Occupational Exposure Limits   10 mg/m²     NDSCh (OEL TYM)   10 mg/m²     NDSCh (OEL STEL)   40 mg/m²     Diphenyl oxide (101-84-8)     EU - Indicative Occupational Exposure Limit (IOEL)     IOEL TWA   7 mg/m²     IOEL TWA   [ppm]   1 ppm     IOEL STEL   14 mg/m²     IOEL STEL   [ppm]   2 ppm     Austria - Occupational Exposure Limits     MAK (OEL TWA)   7 mg/m²     MAK (OEL STEL)   14 mg/m²     MAK (OEL STEL)   14 mg/m²     MAK (OEL STEL)   19pm]   2 ppm     Beiglum - Occupational Exposure Limits     OEL TWA   7 mg/m²     OEL STEL   14 mg/m²     OEL TWA   7 mg/m²     OEL STEL   14 mg/m²     OEL STEL   14 mg/m²     OEL STEL   14 mg/m²     OEL TWA   7 mg/m²     OEL STEL   14 mg	OEL TWA	5 mg/m³	
Poland - Occupational Exposure Limits	Lithuania - Occupational Exposure Limits		
NDS (OEL TWA)	IPRV (OEL TWA)	5 mg/m³	
NDSCh (OEL STEL)   40 mg/m²	Poland - Occupational Exposure Limits		
Diphenyl oxide (101-84-8)	NDS (OEL TWA)	10 mg/m³	
EU - Indicative Occupational Exposure Limit (IOEL)  IDEL TWA 7 mg/m²  IDEL TWA (ppm) 1 ppm  IDEL STEL 14 mg/m³  IDEL STEL 14 mg/m³  IDEL STEL 19m) 2 ppm  Austria - Occupational Exposure Limits  MAK (OEL TWA) (ppm) 1 ppm  MAK (OEL TWA) (ppm) 1 ppm  MAK (OEL STEL) 14 mg/m³  MAK (OEL STEL) ppm) 2 ppm  Belgium - Occupational Exposure Limits  OEL TWA 7 mg/m³ (vapor)  OEL TWA [ppm] 1 ppm (vapor)  OEL STEL 14 mg/m³ (vapor)  OEL TWA [ppm] 1 ppm  OEL STEL 14 mg/m³ (vapor)  OEL TWA [ppm] 2 ppm (vapor)  OEL TWA [ppm] 1 ppm  OEL STEL 14 mg/m³  OEL TWA [ppm] 2 ppm  COEL TWA [ppm] 1 ppm  OEL STEL 14 mg/m³  OEL STEL 14 mg/m³  OEL STEL 14 mg/m³  OEL STEL 15 ppm 2 ppm  Croatia - Occupational Exposure Limits  OEL STEL 14 mg/m³  OEL STEL 15 ppm 2 ppm  Croatia - Occupational Exposure Limits  OEL STEL 14 mg/m³  OEL STEL 15 ppm 2 ppm  Croatia - Occupational Exposure Limits  GVI (OEL TWA) [1] 7 mg/m³  GVI (OEL STEL) 14 mg/m³  KGVI (OEL STEL) [ppm] 2 ppm  Cyprus - Occupational Exposure Limits  OEL TWA 7 mg/m³	NDSCh (OEL STEL)	40 mg/m³	
IOEL TWA	Diphenyl oxide (101-84-8)		
IDEL TWA [ppm]	EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL STEL   14 mg/m³   2 ppm   Austria - Occupational Exposure Limits   15 ppm   1 p	IOEL TWA	7 mg/m³	
Austria - Occupational Exposure Limits   2 ppm	IOEL TWA [ppm]	1 ppm	
Austria - Occupational Exposure Limits  MAK (OEL TWA)  MAK (OEL TWA) [ppm]  1 ppm  MAK (OEL STEL)  MAK (OEL STEL)  MAK (OEL STEL) [ppm]  Belgium - Occupational Exposure Limits  OEL TWA  OEL TWA [ppm]  OEL STEL  14 mg/m² (vapor)  OEL STEL  OEL STEL  14 mg/m² (vapor)  OEL STEL [ppm]  2 ppm (vapor)  Bulgaria - Occupational Exposure Limits  OEL TWA [ppm]  1 ppm  OEL STEL  OEL STEL [ppm]  COUL STEL [ppm]  C	IOEL STEL	14 mg/m³	
MAK (OEL TWA)       7 mg/m³         MAK (OEL TWA) [ppm]       1 ppm         MAK (OEL STEL)       14 mg/m³         MAK (OEL STEL) [ppm]       2 ppm         Belgium - Occupational Exposure Limits       OEL TWA         OEL TWA [ppm]       1 ppm (vapor)         OEL TWA [ppm]       1 ppm (vapor)         OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits       2 ppm         Croatia - Occupational Exposure Limits       6VI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits       7 mg/m³         OEL TWA       7 mg/m³	IOEL STEL [ppm]	2 ppm	
MAK (OEL TWA) [ppm]       1 ppm         MAK (OEL STEL) [ppm]       2 ppm         Belgium - Occupational Exposure Limits       7 mg/m³ (vapor)         OEL TWA       7 mg/m³ (vapor)         OEL TWA [ppm]       1 ppm (vapor)         OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits         OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL [ppm]       2 ppm         CEL STEL [ppm]       2 ppm         COL STEL [ppm]       2 ppm         COL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits       GVI (OEL TWA) [1]       7 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits       Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m³	Austria - Occupational Exposure Limits		
MAK (OEL STEL)       14 mg/m³         MAK (OEL STEL) [ppm]       2 ppm         Belgium - Occupational Exposure Limits       7 mg/m³ (vapor)         OEL TWA       7 mg/m³ (vapor)         OEL TWA [ppm]       1 ppm (vapor)         OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits         OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits       0 ppm         Cyprus - Occupational Exposure Limits       0 ppm         Cyprus - Occupational Exposure Limits       0 ppm	MAK (OEL TWA)	7 mg/m³	
MAK (OEL STEL) [ppm]       2 ppm         Belgium - Occupational Exposure Limits         OEL TWA       7 mg/m³ (vapor)         OEL TWA [ppm]       1 ppm (vapor)         OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits         OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits       7 mg/m³         OEL TWA       7 mg/m³	MAK (OEL TWA) [ppm]	1 ppm	
Belgium - Occupational Exposure Limits	MAK (OEL STEL)	14 mg/m³	
OEL TWA         7 mg/m³ (vapor)           OEL TWA [ppm]         1 ppm (vapor)           OEL STEL         14 mg/m³ (vapor)           OEL STEL [ppm]         2 ppm (vapor)           Bulgaria - Occupational Exposure Limits         OEL TWA           OEL TWA [ppm]         1 ppm           OEL STEL         14 mg/m³           OEL STEL [ppm]         2 ppm           Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]         7 mg/m³           GVI (OEL TWA) [2]         1 ppm           KGVI (OEL STEL)         14 mg/m³           KGVI (OEL STEL) [ppm]         2 ppm           Cyprus - Occupational Exposure Limits         7 mg/m³           OEL TWA         7 mg/m³	MAK (OEL STEL) [ppm]	2 ppm	
OEL TWA [ppm]       1 ppm (vapor)         OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits         OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m²	Belgium - Occupational Exposure Limits		
OEL STEL       14 mg/m³ (vapor)         OEL STEL [ppm]       2 ppm (vapor)         Bulgaria - Occupational Exposure Limits         OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m³	OEL TWA	7 mg/m³ (vapor)	
OEL STEL [ppm]         2 ppm (vapor)           Bulgaria - Occupational Exposure Limits           OEL TWA         7 mg/m³           OEL TWA [ppm]         1 ppm           OEL STEL         14 mg/m³           OEL STEL [ppm]         2 ppm           Croatia - Occupational Exposure Limits           GVI (OEL TWA) [1]         7 mg/m³           GVI (OEL TWA) [2]         1 ppm           KGVI (OEL STEL)         14 mg/m³           KGVI (OEL STEL) [ppm]         2 ppm           Cyprus - Occupational Exposure Limits         7 mg/m³	OEL TWA [ppm]	1 ppm (vapor)	
Bulgaria - Occupational Exposure Limits	OEL STEL	14 mg/m³ (vapor)	
OEL TWA       7 mg/m³         OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m³	OEL STEL [ppm]	2 ppm (vapor)	
OEL TWA [ppm]       1 ppm         OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m³	Bulgaria - Occupational Exposure Limits		
OEL STEL       14 mg/m³         OEL STEL [ppm]       2 ppm         Croatia - Occupational Exposure Limits         GVI (OEL TWA) [1]       7 mg/m³         GVI (OEL TWA) [2]       1 ppm         KGVI (OEL STEL)       14 mg/m³         KGVI (OEL STEL) [ppm]       2 ppm         Cyprus - Occupational Exposure Limits         OEL TWA       7 mg/m³	OEL TWA	7 mg/m³	
OEL STEL [ppm]         2 ppm           Croatia - Occupational Exposure Limits           GVI (OEL TWA) [1]         7 mg/m³           GVI (OEL TWA) [2]         1 ppm           KGVI (OEL STEL)         14 mg/m³           KGVI (OEL STEL) [ppm]         2 ppm           Cyprus - Occupational Exposure Limits           OEL TWA         7 mg/m³	OEL TWA [ppm]	1 ppm	
Croatia - Occupational Exposure Limits  GVI (OEL TWA) [1] 7 mg/m³  GVI (OEL TWA) [2] 1 ppm  KGVI (OEL STEL) 14 mg/m³  KGVI (OEL STEL) [ppm] 2 ppm  Cyprus - Occupational Exposure Limits  OEL TWA 7 mg/m³	OEL STEL	14 mg/m³	
GVI (OEL TWA) [1] 7 mg/m³  GVI (OEL TWA) [2] 1 ppm  KGVI (OEL STEL) 14 mg/m³  KGVI (OEL STEL) [ppm] 2 ppm  Cyprus - Occupational Exposure Limits  OEL TWA 7 mg/m³	OEL STEL [ppm]	2 ppm	
GVI (OEL TWA) [2]         1 ppm           KGVI (OEL STEL)         14 mg/m³           KGVI (OEL STEL) [ppm]         2 ppm           Cyprus - Occupational Exposure Limits           OEL TWA         7 mg/m³	Croatia - Occupational Exposure Limits		
KGVI (OEL STEL)  KGVI (OEL STEL) [ppm]  2 ppm  Cyprus - Occupational Exposure Limits  OEL TWA  7 mg/m³	GVI (OEL TWA) [1]	7 mg/m³	
KGVI (OEL STEL) [ppm] 2 ppm  Cyprus - Occupational Exposure Limits  OEL TWA 7 mg/m³	GVI (OEL TWA) [2]	1 ppm	
Cyprus - Occupational Exposure Limits  OEL TWA 7 mg/m³	KGVI (OEL STEL)	14 mg/m³	
OEL TWA 7 mg/m³	KGVI (OEL STEL) [ppm]	2 ppm	
	Cyprus - Occupational Exposure Limits		
OEL TWA [ppm] 1 ppm	OEL TWA	7 mg/m³	
	OEL TWA [ppm]	1 ppm	



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Diphenyl oxide (101-84-8)		
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	5 mg/m³	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	7 mg/m³	
OEL TWA [2]	1 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	7 mg/m³	
HTP (OEL TWA) [2]	1 ppm	
HTP (OEL STEL)	14 mg/m³	
HTP (OEL STEL) [ppm]	2 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	7 mg/m³	
VME (OEL TWA) [ppm]	1 ppm	
Chemical category	Risk of cutaneous absorption	
Germany - Occupational Exposure Limits (TRGS 90	00)	
AGW (OEL TWA) [1]	7.1 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)	
AGW (OEL TWA) [2]	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)	
Gibraltar - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	200 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	7 mg/m³	
CK (OEL STEL)	14 mg/m³	



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Diphenyl oxide (101-84-8)		
Ireland - Occupational Exposure Limits		
OEL TWA [1]	7 mg/m³ (vapour)	
OEL TWA [2]	1 ppm (vapour)	
OEL STEL	14 mg/m³ (vapour)	
OEL STEL [ppm]	2 ppm (vapour)	
Italy - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	7 mg/m³	
IPRV (OEL TWA) [ppm]	1 ppm	
TPRV (OEL STEL)	14 mg/m³	
TPRV (OEL STEL) [ppm]	2 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Netherlands - Occupational Exposure Limits		
MAC-TGG (OEL TWA)	7 mg/m³	
MAC-15 (OEL STEL)	14 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	7 mg/m³	
NDSCh (OEL STEL)	14 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm (vapor)	
OEL STEL	14 mg/m³ (indicative limit value)	
OEL STEL [ppm]	2 ppm (indicative limit value-vapor)	
Romania - Occupational Exposure Limits		
OEL TWA	5 mg/m³	



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Diphenyl oxide (101-84-8)		
OEL TWA [ppm]	0.7 ppm	
OEL STEL	10 mg/m³	
OEL STEL [ppm]	1.4 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	7 mg/m³	
NPHV (OEL TWA) [2]	1 ppm	
NPHV (OEL C)	7.1 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL [ppm]	2 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	7.1 mg/m³ (vapor)	
VLA-ED (OEL TWA) [2]	1 ppm (vapor)	
VLA-EC (OEL STEL)	14.2 mg/m³ (vapor)	
VLA-EC (OEL STEL) [ppm]	2 ppm (vapor)	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	7 mg/m³	
NGV (OEL TWA) [ppm]	1 ppm	
KTV (OEL STEL)	14 mg/m³	
KTV (OEL STEL) [ppm]	2 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	7.1 mg/m³ (vapour)	
WEL TWA (OEL TWA) [2]	1 ppm (vapour)	
WEL STEL (OEL STEL)	21.3 mg/m³ (calculated-vapour)	
WEL STEL (OEL STEL) [ppm]	3 ppm (calculated-vapour)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	7 mg/m³	
Grenseverdi (OEL TWA) [2]	1 ppm	
Korttidsverdi (OEL STEL)	14 mg/m³ (value from the regulation)	
Korttidsverdi (OEL STEL) [ppm]	2 ppm (value from the regulation)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	7 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	1 ppm (aerosol, vapour)	
KZGW (OEL STEL)	14 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	2 ppm (aerosol, vapour)	
Chemical category	Category 2 developmental toxin, Category 2 reproductive toxin	



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Diphenyl oxide (101-84-8)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	1 ppm (vapor)
ACGIH OEL STEL [ppm]	2 ppm (vapor fraction)

#### 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 symbol(s):



#### 8.2.2.1. Eye and face protection

## Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

## Skin and body protection:

Wear suitable protective clothing

## Hand protection:

Protective gloves

## 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

## Environmental exposure controls:

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color: light yellow. amber.Odor: characteristic.Odor threshold: No data available



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pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available

Flash point : > 65.9 °C (closed cup) ASTM D7094

Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Not applicable Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density No data available Solubility No data available Partition coefficient n-octanol/water (Log Pow) No data available No data available Viscosity, kinematic Viscosity, dynamic : No data available Explosive properties : No data available Oxidizing properties : No data available **Explosion limits** : No data available

#### 9.2. Other information

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

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Benzene carboxaldehyde (100-52-7)	
LD50 oral rat	1292 mg/kg
LD50 dermal rabbit	> 1250 mg/kg



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Diphenyl oxide (101-84-8)	
LD50 oral rat	2450 mg/kg
LD50 oral	2830 mg/kg body weight
LD50 dermal rabbit	> 7940 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
Hexyl salicylate (6259-76-3)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/kg
Orange oil (8008-57-9)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified
Respiratory or skin sensitization :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
	Not classified

## **SECTION 12: Ecological information**

## 12.1. Toxicity

LC50 - Fish [2]

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

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

(chronic)

12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

## 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

Benzene carboxaldehyde (100-52-7)	
BCF - Fish [1]	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow) 1.48 (at 20 °C)	
Diphenyl oxide (101-84-8)	
BCF - Fish [1]	470
Partition coefficient n-octanol/water (Log Pow)	4.2

## 12.4. Mobility in soil

No additional information available



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

No additional information available

#### 12.6. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

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

## **14.1. UN number**

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

## 14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

**IMDG** 

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

## 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available



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## 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

## Rail transport

Not applicable

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

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code Applicable on	
3(a)	Orange oil
3(b)	Benzene carboxaldehyde ; Hexyl salicylate ; Iso E Super ; Orange oil
3(c)	FRAG0018 Black Cherry Fragrance Oil at 25%; Hexyl salicylate; Iso E Super; Orange oil
40.	Orange oil

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

## 15.1.2. National regulations

France Professional diseases	
	Paradiation
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

## 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 1, slightly hazardous to water (Classification according to AwSV, Annex 1) Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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#### **Netherlands**

SZW-lijst van kankerverwekkende stoffen : Orange oil is listed SZW-lijst van mutagene stoffen : Orange oil is listed

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

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

Denmark

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

: None of the components are listed

Switzerland

Storage class (LK) : LK 10/12 - Liquids

## 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	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
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	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	



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Abbreviations and acronyms		
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-phrases		
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	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids Category 3	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
H226	Flammable liquid and vapor.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH208	Contains Hexyl salicylate, Iso E Super, Orange oil . May produce an allergic reaction.	

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.