

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6/21/2023 Version: 1.0

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

#### 1.1. Product identifier

Product form	: Mixture
Product name	: Dark Chocolate #EU27891F
UFI	: YK7G-T2UG-A009-DCWA
Product code	: EU27891F
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	:	Industrial use,Professional use
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

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] H302 Acute toxicity (oral), Category 4 Hazardous to the aquatic environment - Chronic Hazard, Category 2 H411 Full text of H- and EUH-statements: see section 16 Adverse physicochemical, human health and environmental effects Harmful if swallowed. Toxic to aquatic life with long lasting effects. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS07 GHS09 Signal word (CLP) : Warning Hazard statements (CLP) : H302 - Harmful if swallowed. H411 - Toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP)	<ul> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P273 - Avoid release to the environment.</li> </ul>
	P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P330 - Rinse mouth.
	P391 - Collect spillage.
EUH-statements	: EUH208 - Contains Isovaleraldehyde, Acetyl Propionyl. May produce an allergic reaction.

#### 2.3. Other hazards

Contains no PBT/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	44.625 – 89.25	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethyl maltol	CAS-No.: 4940-11-8 EC-No.: 225-582-5	1 – 2	Acute Tox. 4 (Oral), H302
Isoamyl phenylacetate (do not sell)	CAS-No.: 102-19-2 EC-No.: 203-012-6	0.75 – 1.5	Aquatic Chronic 2, H411
Ethyl vanillin	CAS-No.: 121-32-4 EC-No.: 204-464-7 REACH-no: 01-211958961-24	0.5 – 1	Eye Irrit. 2, H319
Furfural substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, NO, CH)	CAS-No.: 98-01-1 EC-No.: 202-627-7 EC Index-No.: 605-010-00-4	0.25 – 0.5	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 3, H412
acetyl propionyl substance with national workplace exposure limit(s) (DE, SI, CH)	CAS-No.: 600-14-6 EC-No.: 209-984-8	0.25 – 0.5	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
Isovaleraldehyde substance with national workplace exposure limit(s) (AT, DE, LT, SI)	CAS-No.: 590-86-3 EC-No.: 209-691-5	0.125 – 0.25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

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SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Call a poison center or a doctor if you feel unwell.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Rinse mouth. Call a poison center or a doctor if you feel unwell.</li> </ul>	
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	s .	

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.	
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 equip	ment 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			
For containment Methods for cleaning up Other information	<ul> <li>Collect spillage.</li> <li>Take up liquid spill into absorbent material.</li> <li>Dispose of materials or solid residues at an authorized site.</li> </ul>		
6.4. Reference to other sections			

For further information refer to section 13.

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SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Wear personal protective equipment.</li> <li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions Storage temperature Storage area Special rules on packaging Packaging materials	<ul> <li>Store in a well-ventilated place. Keep cool.</li> <li>25 °C</li> <li>Store in a well-ventilated place. Store away from heat.</li> <li>Store in a closed container.</li> <li>Do not store in corrodable metal.</li> </ul>	

### 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

Furfural (98-01-1)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	20 mg/m³	
MAK (OEL TWA) [ppm]	5 ppm	
OEL chemical category	Skin notation, Group B Carcinogen	
Belgium - Occupational Exposure Limits		
OEL TWA	8 mg/m³	
OEL TWA [ppm]	2 ppm	
OEL chemical category	Skin	
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m <sup>3</sup>	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	8 mg/m³	
GVI (OEL TWA) [2]	2 ppm	
KGVI (OEL STEL)	20 mg/m <sup>3</sup>	
KGVI (OEL STEL) [ppm]	5 ppm	
OEL chemical category	Skin notation	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	10 mg/m <sup>3</sup>	
OEL chemical category	Potential for cutaneous absorption	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	7.9 mg/m³	
OEL TWA [2]	2 ppm	
OEL chemical category	Potential for cutaneous absorption	

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Estonia - Occupational Exposure Limits		
OEL TWA	8 mg/m <sup>3</sup>	
OEL TWA [ppm]	2 ppm	
OEL STEL	20 mg/m <sup>3</sup>	
OEL STEL [ppm]	5 ppm	
OEL chemical category	Skin notation	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	8 mg/m <sup>3</sup>	
HTP (OEL TWA) [2]	2 ppm	
HTP (OEL STEL)	20 mg/m <sup>3</sup>	
HTP (OEL STEL) [ppm]	5 ppm	
OEL chemical category	Potential for cutaneous absorption	
France - Occupational Exposure Limits		
VLE (OEL C/STEL)	8 mg/m <sup>3</sup>	
VLE (OEL C/STEL) [ppm]	2 ppm	
OEL chemical category	Carcinogen category 2	
France - Biological limit values		
BLV	200 mg/g creatinine Parameter: Total furoic acid - Medium: urine - Sampling time: end of shift (Background noise on non-exposed subjects)	
Greece - Occupational Exposure Limits		
OEL TWA	20 mg/m <sup>3</sup>	
OEL TWA [ppm]	5 ppm	
OEL STEL	40 mg/m <sup>3</sup>	
OEL STEL [ppm]	10 ppm	
OEL chemical category	skin - potential for cutaneous absorption	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	8 mg/m <sup>3</sup>	
CK (OEL STEL)	20 mg/m <sup>3</sup>	
OEL chemical category	Sensitizer, Potential for cutaneous absorption	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	8 mg/m <sup>3</sup>	
OEL TWA [2]	2 ppm	
OEL STEL	20 mg/m <sup>3</sup>	
OEL STEL [ppm]	5 ppm	
OEL chemical category	Potential for cutaneous absorption	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m <sup>3</sup>	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	8 mg/m <sup>3</sup>	

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Furfural (98-01-1)		
IPRV (OEL TWA) [ppm]	2 ppm	
TPRV (OEL STEL)	20 mg/m <sup>3</sup>	
TPRV (OEL STEL) [ppm]	5 ppm	
OEL chemical category	Carcinogen, Skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	10 mg/m³	
NDSCh (OEL STEL)	25 mg/m <sup>3</sup>	
Portugal - Occupational Exposure Limits	20 mg/m	
OEL TWA [ppm]	2 ppm	
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential	
	for cutaneous exposure	
Romania - Occupational Exposure Limits		
OEL TWA	10 mg/m <sup>3</sup>	
OEL TWA [ppm]	2.5 ppm	
OEL STEL	15 mg/m³	
OEL STEL [ppm]	4 ppm	
OEL chemical category	C2	
Slovakia - Occupational Exposure Limits	·	
NPHV (OEL TWA) [1]	7.9 mg/m³	
NPHV (OEL TWA) [2]	2 ppm	
OEL chemical category	Potential for cutaneous absorption	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	8 mg/m³	
VLA-ED (OEL TWA) [2]	2 ppm	
OEL chemical category	skin - potential for cutaneous absorption	
Spain - Biological limit values		
BLV	200 mg/l Parameter: Furoic acid - Medium: urine - Sampling time: end of shift (with hydrolysis)	
Sweden - Occupational Exposure Limits	·	
NGV (OEL TWA)	8 mg/m³	
NGV (OEL TWA) [ppm]	2 ppm	
KTV (OEL STEL)	20 mg/m³	
KTV (OEL STEL) [ppm]	5 ppm	
OEL chemical category	Skin notation	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	8 mg/m³	
WEL TWA (OEL TWA) [2]	2 ppm	
WEL STEL (OEL STEL)	20 mg/m <sup>3</sup>	
WEL STEL (OEL STEL) [ppm]	5 ppm	
WEL chemical category	Potential for cutaneous absorption	
6/21/2022 (Insule date) EN (English) 6/17		

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Furfural (98-01-1)		
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	8 mg/m <sup>3</sup>	
Grenseverdi (OEL TWA) [2]	2 ppm	
Korttidsverdi (OEL STEL)	16 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	4 ppm (value calculated)	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	8 mg/m³	
MAK (OEL TWA) [2]	2 ppm	
OEL chemical category	Skin notation	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	0.2 ppm	
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route	
USA - ACGIH - Biological Exposure Indices		
BEI	200 mg/l Parameter: Furoic acid with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)	
Isovaleraldehyde (590-86-3)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	39 mg/m³	
MAK (OEL TWA) [ppm]	10 ppm	
MAK (OEL STEL)	39 mg/m³	
MAK (OEL STEL) [ppm]	10 ppm	
OEL C	39 mg/m³	
OEL C [ppm]	10 ppm	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	39 mg/m <sup>3</sup>	
AGW (OEL TWA) [2]	10 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	10 mg/m <sup>3</sup>	
Slovenia - Occupational Exposure Limits		
OEL TWA	39 mg/m³	
OEL TWA [ppm]	10 ppm	
OEL STEL	39 mg/m³	
OEL STEL [ppm]	10 ppm	
acetyl propionyl (600-14-6)		
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	0.083 mg/m³	
AGW (OEL TWA) [2]	0.02 ppm	

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acetyl propionyl (600-14-6)		
Chemical category Skin notation, Skin sensitization		
Slovenia - Occupational Exposure Limits		
OEL TWA 0.083 mg/m <sup>3</sup>		
OEL TWA [ppm]	0.02 ppm	
OEL STEL	0.083 mg/m³	
OEL STEL [ppm]	0.02 ppm	
OEL chemical category	Potential for cutaneous absorption	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	0.08 mg/m³	
MAK (OEL TWA) [2]	0.02 ppm	
KZGW (OEL STEL)	0.16 mg/m <sup>3</sup>	
KZGW (OEL STEL) [ppm]	0.04 ppm	
OEL chemical category	Sensitizer, Skin notation	

#### 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

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#### 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
Colour	: light yellow. amber. Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 93.3 °C (closed cup) ASTM D7094
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not soluble in water alone. Soluble in oils/fats.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 1.09
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

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).

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### 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 hazard classes as defined	d in Regulation (EC) No 1272/2008	
Acute toxicity (dermal) :	Harmful if swallowed. Not classified Not classified	
Dark Chocolate #EU27891F		
ATE CLP (oral)	539.843 mg/kg bodyweight	
Benzyl benzoate (120-51-4)		
LD50 oral rat	500 mg/kg	
LD50 oral	1160 mg/kg bodyweight	
LD50 dermal rabbit	4000 mg/kg	
Ethyl maltol (4940-11-8)		
LD50 oral rat	1150 mg/kg	
LD50 oral	1200 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg	
Ethyl vanillin (121-32-4)		
LD50 oral rat	1590 mg/kg	
LD50 oral	3000 mg/kg bodyweight	
LD50 dermal rat	> 2000 mg/kg	
Furfural (98-01-1)		
LD50 oral rat	125 mg/kg	
LD50 oral	100 mg/kg bodyweight	
LD50 dermal rabbit	500 – 1000 mg/kg	
LD50 dermal	1100 mg/kg bodyweight	
LC50 Inhalation - Rat	756 mg/m³ (Exposure time: 1 h)	
LC50 Inhalation - Rat (Vapours)	1 mg/l/4h	
Isovaleraldehyde (590-86-3)		
LD50 oral rat	5600 mg/kg	
LD50 dermal rabbit	2730 mg/kg	
LD50 dermal	2534 mg/kg bodyweight	
LC50 Inhalation - Rat	42.7 mg/l/4h	
acetyl propionyl (600-14-6)		
LD50 oral rat	3 g/kg	
LD50 oral	3000 mg/kg bodyweight	

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acetyl propionyl (600-14-6)		
LD50 dermal rabbit	> 2000 mg/kg	
LD50 dermal	2500 mg/kg bodyweight	
Skin corrosion/irritation	Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Furfural (98-01-1)		
IARC group	3 - Not classifiable	
Reproductive toxicity	Not classified	
STOT-single exposure	: Not classified	
Furfural (98-01-1)		
STOT-single exposure	May cause respiratory irritation.	
Isovaleraldehyde (590-86-3)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: Not classified	
acetyl propionyl (600-14-6)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	Not classified	
Benzyl benzoate (120-51-4)		
Viscosity, kinematic	7.456 mm²/s	
11.2. Information on other hazards		

No additional information available

## **SECTION 12: Ecological information**

12.1. Toxicity		
Ecology - general: Toxic to aquatic life with long lasting effects.Hazardous to the aquatic environment, short-term: Not classified(acute): Toxic to aquatic life with long lasting effects.Hazardous to the aquatic environment, long-term: Toxic to aquatic life with long lasting effects.(chronic): Toxic to aquatic life with long lasting effects.		
Benzyl benzoate (120-51-4)		
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])	
NOEC (chronic)	0.168 mg/l	
Ethyl maltol (4940-11-8)		
LC50 - Fish [1]       > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)		
Ethyl vanillin (121-32-4)		
LC50 - Fish [1] 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through		
Furfural (98-01-1)		
LC50 - Fish [1]	13.4 – 19.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
LC50 - Fish [2]	16.79 – 26.35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	

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Isovaleraldehyde (590-86-3)			
LC50 - Fish [1]       2.98 – 3.54 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])			
EC50 - Crustacea [1]	177 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
EC50 72h - Algae [1]	80 mg/l (Species: Desmodesmus subspicatus)		
EC50 96h - Algae [1]	78 mg/l (Species: Desmodesmus subspicatus)		
12.2. Persistence and degradability			
Benzyl benzoate (120-51-4)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
12.3. Bioaccumulative potential			
Benzyl benzoate (120-51-4)			
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)		
Bioaccumulative potential	Not established.		
Ethyl maltol (4940-11-8)			
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)		
Isoamyl phenylacetate (do not sell) (102-19-2)			
Partition coefficient n-octanol/water (Log Pow) 4.08 (at 25 °C)			
Ethyl vanillin (121-32-4)			
Partition coefficient n-octanol/water (Log Pow)	1.61 (at 25 °C)		
Furfural (98-01-1)			
Partition coefficient n-octanol/water (Log Pow)	0.67		
Isovaleraldehyde (590-86-3)			
Partition coefficient n-octanol/water (Log Pow)	1.5 (at 25 °C (at pH 7)		
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessment			
No additional information available			
12.6. Endocrine disrupting properties			
No additional information available			
12.7. 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.

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 HP Code
 : 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.

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

IMDG	ΙΑΤΑ	ADN	RID
umber			
UN 3082	UN 3082	UN 3082	UN 3082
g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)	Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)
iption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III
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ards			
Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
	umber UN 3082 g name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate) iption UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III, MARINE POLLUTANT Elass(es) 9	umberUN 3082UN 3082g nameENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)UN 3082UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, III, MARINE POLLUTANT9910Image: Start Sta	umberUN 3082UN 3082UN 3082g nameENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)EnVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III, MARINE POLLUTANTUN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, IIIUN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate), 9, III, MARINE POLLUTANTUN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, IIIUN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, IIIN.O.S. (Benzyl benzoate), 9, III, MARINE POLLUTANTUN 3082 enzoate), 9, IIIUN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate), 9, IIIImage: second state 9999Image: second state 999Image: second state 91111Image: second state 91111Image: second state 91111Image: second state 91111Image: second state 91111 <tr< td=""></tr<>

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 14.6. Special precautions for user

Overland	transport
Overnania	aunoport

Classification code (ADR) : M6 Special provisions (ADR) : 274, 335, 375, 601 Limited quantities (ADR) : E1 Packing instructions (ADR) : PP1 Mixed packing provisions (ADR) : PP1 Mixed packing provisions (ADR) : TP1, TP29 (ADR) : Tank code (ADR) : TP1, TP29 (ADR) : LGBV Vehicle for tank carriage AD : Code (ADR) : TP1, TP29 (ADR) : LGBV Vehicle for tank carriage - Packages (ADR) : V12 Special provisions for carriage - Packages (ADR) : V12 Special provisions for carriage - Packages (ADR) : V12 Special provisions for carriage - Loading, unloading : CV13 and handling (ADR) : 90 Orange plates : 90 Orange plates : 90 Orange plates : 90 Orange plates : 90 Crange plates : 90 Crange plates : 90 Crange plates :	Overland transport	
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<ul> <li>(RID)</li> <li>Tank codes for RID tanks (RID)</li> <li>Transport category (RID)</li> <li>Special provisions for carriage – Packages (RID)</li> <li>Special provisions for carriage - Loading, unloading and handling (RID)</li> <li>Colis express (express parcels) (RID)</li> <li>Hazard identification number (RID)</li> </ul>	:	LGBV 3 W12 CW13, CW31 CE8 90

14.7. Maritime transport in bulk according to IMO instruments

#### 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

#### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Furfural ; Isovaleraldehyde ; acetyl propionyl	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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Dark Chocolate #EU27891F ; Benzyl benzoate ; Furfural ; Isovaleraldehyde ; acetyl propionyl	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)	Dark Chocolate #EU27891F ; Benzyl benzoate ; Isoamyl phenylacetate (do not sell) ; Furfural ; Isovaleraldehyde	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.	Furfural ; Isovaleraldehyde ; acetyl propionyl	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)

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#### **POP Regulation (Persistent Organic Pollutants)**

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

#### 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

#### France

Occupational diseases			
Code	Description		
RG 74	Occupational disorders caused by furfural and furfuryl alcohol		
Germany			
Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)		<ul> <li>WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).</li> <li>Is not subject of the Hazardous Incident Ordinance (12. BImSchV)</li> </ul>	
Netherlands			
ABM category		: A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment	
SZW-lijst van kankerverwekkende stoffen		: None of the components are listed	
SZW-lijst van mutagene stoffen		: None of the components are listed	
SZW-lijst van reprotoxische stoffen – Borstvoeding		: None of the components are listed	
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid		: None of the components are listed	
SZW-lijst van reprotoxische stoffen - Ontwikkeling		: None of the components are listed	
Denmark			
Classification remarks Danish National Regulations		<ul> <li>Emergency management guidelines for the storage of flammable liquids must be followed</li> <li>Young people below the age of 18 years are not allowed to use the product</li> <li>Pregnant/breastfeeding women working with the product must not be in direct contact with the product</li> </ul>	

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Carc. 2	Carcinogenicity, Category 2	
EUH208	Contains Isovaleraldehyde, Acetyl Propionyl. May produce an allergic reaction.	

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Full text of H- and EUH-statements:		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H335	May cause respiratory irritation.	
H351	Suspected of causing cancer.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

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.