

Dark Chocolate CC-13208

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830 Issue date: 11/4/2019

CandleCraft

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

1.1. Product identifier

Product form : Mixture
Product name : Dark Chocolate
UFI : YK7G-T2UG-A009-DCWA
Product code : CC-13208
Type of product : Perfumes, Fragrances
Product group : Finished Good

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

Candle Craft
65510 Idstein
Deutschland / Germany
T 49-6126-9363 -0
info@candlecraft.de - www.candlecraft.de

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
Hazardous to the aquatic environment - Chronic Hazard Category 2 H411
Full text of H 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

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

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Contains :

Benzyl benzoate

Hazard statements (CLP) :

H302 - Harmful if swallowed.

H411 - Toxic to aquatic life with long lasting effects.

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

2.3. Other hazards

No additional information available

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	69.25 – 89.25	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Veltol plus crystals	(CAS-No.) 4940-11-8 (EC-No.) 225-582-5	0.62 – 2	Acute Tox. 4 (Oral), H302
Isoamyl phenylacetate (do not sell)	(CAS-No.) 102-19-2 (EC-No.) 203-012-6	0.465 – 1.5	Aquatic Chronic 2, H411
Ethyl vanillin crystals	(CAS-No.) 121-32-4 (EC-No.) 204-464-7 (REACH-no) 01-211958961-24	0.7 – 1	Eye Irrit. 2, H319
Furfural	(CAS-No.) 98-01-1 (EC-No.) 202-627-7 (EC Index-No.) 605-010-00-4	0.45 – 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	(CAS-No.) 600-14-6 (EC-No.) 209-984-8	0.45 – 0.5	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
Isovaleraldehyde	(CAS-No.) 590-86-3 (EC-No.) 209-691-5	0.2 – 0.25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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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	: Rinse mouth. 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.

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

For containment	: Collect spillage.
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.
Storage temperature	: 25 °C
Storage area	: Store in a well-ventilated place. Store away from heat.

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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

Furfural (98-01-1)	
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m ³)	20 mg/m ³
MAK Daily average value (ppm)	5 ppm
OEL chemical category (AT)	Group B Carcinogen, skin notation
Belgium - Occupational Exposure Limits	
Limit value [mg/m ³]	8 mg/m ³
Limit value [ppm]	2 ppm
OEL chemical category (BE)	Skin
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	10 mg/m ³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m ³)	8 mg/m ³
GVI (granična vrijednost izloženosti) (ppm)	2 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	20 mg/m ³
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	5 ppm
OEL chemical category (HR)	skin notation
Czech Republic - Occupational Exposure Limits	
Exposure limits (PEL) (mg/m ³)	10 mg/m ³
OEL chemical category (CZ)	Potential for cutaneous absorption
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m ³)	7.9 mg/m ³
Grænseværdi (8 timer) (ppm)	2 ppm
OEL chemical category (DK)	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	8 mg/m ³
OEL TWA (ppm)	2 ppm
OEL STEL (mg/m ³)	20 mg/m ³
OEL STEL (ppm)	5 ppm
OEL chemical category (ET)	skin notation
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	8 mg/m ³
HTP-arvo (8h) (ppm)	2 ppm

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Furfural (98-01-1)	
HTP-arvo (15 min)	20 mg/m ³
HTP-arvo (15 min) (ppm)	5 ppm
OEL chemical category (FI)	Potential for cutaneous absorption
France - Occupational Exposure Limits	
VLE [mg/m ³]	8 mg/m ³
VLE [ppm]	2 ppm
OEL chemical category (FR)	Carcinogen category 2
France - Biological limit values	
France - BLV	200 mg/g Kreatinin Parameter: Total furoic acid - Medium: urine - Sampling time: end of shift (Background noise on non-exposed subjects)
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	20 mg/m ³
OEL TWA (ppm)	5 ppm
OEL STEL (mg/m ³)	40 mg/m ³
OEL STEL (ppm)	10 ppm
OEL chemical category (GR)	skin - potential for cutaneous absorption
Hungary - Occupational Exposure Limits	
Exposure Limit Value	20 mg/m ³
OEL chemical category (HU)	Sensitizer, Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	8 mg/m ³
OEL (8 hours ref) (ppm)	2 ppm
OEL (15 min ref) (mg/m ³)	20 mg/m ³
OEL (15 min ref) (ppm)	5 ppm
OEL chemical category (IE)	Potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	10 mg/m ³
Lithuania - Occupational Exposure Limits	
IPRV (mg/m ³)	8 mg/m ³
IPRV (ppm)	2 ppm
TPRV (mg/m ³)	20 mg/m ³
TPRV (ppm)	5 ppm
OEL chemical category (LT)	Carcinogen, skin notation
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	10 mg/m ³
NDSch (mg/m ³)	25 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA (ppm)	2 ppm
OEL chemical category (PT)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential for cutaneous exposure

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Furfural (98-01-1)	
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	10 mg/m ³
OEL TWA (ppm)	2.5 ppm
OEL STEL (mg/m ³)	15 mg/m ³
OEL STEL (ppm)	4 ppm
OEL chemical category (RO)	C2
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m ³)	7.9 mg/m ³
NPHV (priemerná) (ppm)	2 ppm
OEL chemical category (SK)	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	8 mg/m ³
VLA-ED (ppm)	2 ppm
OEL chemical category (ES)	skin - potential for cutaneous absorption
Spain - Biological limit values	
Spain - BLV	200 mg/l Parameter: Furoic acid - Medium: urine - Sampling time: end of shift (with hydrolysis)
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	8 mg/m ³
nivågränsvärde (NVG) (ppm)	2 ppm
kortidsvärde (KTV) (mg/m ³)	20 mg/m ³
kortidsvärde (KTV) (ppm)	5 ppm
OEL chemical category (SE)	skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	8 mg/m ³
WEL TWA (ppm)	2 ppm
WEL STEL (mg/m ³)	20 mg/m ³
WEL STEL (OEL STEL) [ppm]	5 ppm
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
TWA (AN) (mg/m ³)	8 mg/m ³
TWA (AN) (ppm)	2 ppm
TWA (Korttidsverdi) (mg/m ³)	16 mg/m ³ (value calculated)
TWA (Korttidsverdi) (ppm)	4 ppm (value calculated)
OEL chemical category (NO)	skin notation
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	8 mg/m ³
MAK (ppm)	2 ppm
OEL chemical category (CH)	skin notation
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	0.2 ppm

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Furfural (98-01-1)	
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - ACGIH - Biological Exposure Indices	
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 Daily average value (mg/m ³)	39 mg/m ³
MAK Daily average value (ppm)	10 ppm
MAK Short time value [mg/m ³]	39 mg/m ³
MAK Short time value [ppm]	10 ppm
MAK Instantaneous value (mg/m ³)	39 mg/m ³
MAK Instantaneous value (ppm)	10 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	39 mg/m ³
Occupational exposure limit value (ppm)	10 ppm
Lithuania - Occupational Exposure Limits	
IPRV (mg/m ³)	10 mg/m ³
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	39 mg/m ³
OEL TWA (ppm)	10 ppm
OEL STEL (mg/m ³)	39 mg/m ³
OEL STEL (ppm)	10 ppm

acetyl propionyl (600-14-6)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	0.083 mg/m ³
Occupational exposure limit value (ppm)	0.02 ppm
Chemical category	skin notation, Skin sensitization
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0.083 mg/m ³
OEL TWA (ppm)	0.02 ppm
OEL STEL (mg/m ³)	0.083 mg/m ³
OEL STEL (ppm)	0.02 ppm
OEL chemical category (SI)	Potential for cutaneous absorption
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	0.08 mg/m ³
MAK (ppm)	0.02 ppm
KZGW (mg/m ³)	0.16 mg/m ³
KZGW (ppm)	0.04 ppm
OEL chemical category (CH)	Sensitizer, skin notation

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



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
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	: > 93.3 °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	: 1.09
Solubility	: Not soluble in water alone. Soluble in oils/fats.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
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

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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) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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ATE CLP (oral)	539.843 mg/kg body weight
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Benzyl benzoate (120-51-4)

LD50 oral rat	500 mg/kg
LD50 oral	1500 mg/kg body weight
LD50 dermal rabbit	4000 mg/kg
LD50 dermal	4000 mg/kg body weight

Veltol plus crystals (4940-11-8)

LD50 oral rat	1150 mg/kg
LD50 oral	1200 mg/kg body weight

Ethyl vanillin crystals (121-32-4)

LD50 oral rat	1590 mg/kg
LD50 oral	3000 mg/kg body weight

Furfural (98-01-1)

LD50 oral rat	125 mg/kg
LD50 oral	100 mg/kg body weight
LD50 dermal rabbit	500 – 1000 mg/kg

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LD50 dermal	1100 mg/kg body weight
LC50 Inhalation - Rat	756 mg/m ³ (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 body weight
LC50 Inhalation - Rat	42700 mg/m ³ (Exposure time: 4 h)

acetyl propionyl (600-14-6)

LD50 oral rat	3 g/kg
LD50 oral	3000 mg/kg body weight
LD50 dermal	2500 mg/kg body weight

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

Furfural (98-01-1)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (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

Veltol plus crystals (4940-11-8)

LC50 fish 1	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
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Ethyl vanillin crystals (121-32-4)

LC50 fish 1	81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
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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])

Isovaleraldehyde (590-86-3)	
LC50 fish 1	2.98 – 3.54 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 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)	4
Bioaccumulative potential	Not established.

Furfural (98-01-1)	
Partition coefficient n-octanol/water (Log Pow)	0.67

Isovaleraldehyde (590-86-3)	
Partition coefficient n-octanol/water (Log Pow)	1.31 (at 25 °C)

12.4. Mobility in soil

No additional information available

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 / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : UN 3082
UN-No. (IMDG) : UN 3082

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UN-No. (IATA) : UN 3082
UN-No. (ADN) : UN 3082
UN-No. (RID) : UN 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, MARINE POLLUTANT
Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate), 9, III
Transport document description (ADN) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
Transport document description (RID) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Hazard labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
Hazard labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : 9
Hazard labels (ADN) : 9



RID

Transport hazard class(es) (RID) : 9
Hazard labels (RID) : 9

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14.4. Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III

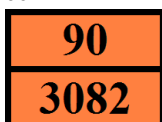
14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provision (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 (ADR)	: TP1, TP29
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 and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Transport by sea

Special provision (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

Air transport

PCA Excepted quantities (IATA)	: E1
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 provision (IATA)	: A97, A158, A197

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ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6

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

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 (RID) : TP1, TP29

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31

Colis express (express parcels) (RID) : CE8

Hazard identification number (RID) : 90

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable
3(b)	Benzyl benzoate ; Furfural ; Isovaleraldehyde ; acetyl propionyl
3(c)	Benzyl benzoate ; Isovaleraldehyde
3(a)	Isovaleraldehyde ; acetyl propionyl
40.	Isovaleraldehyde ; acetyl propionyl

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

Germany

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

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

Netherlands

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

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

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

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

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

Full text of H- and EUH-phrases:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) 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
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
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, 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
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
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.

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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.
EUH208	Contains Isovaleraldehyde, Acetyl Propionyl. May produce an allergic reaction.

SDS EU (REACH Annex II)

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.