

Blackberry Jam CC-13050

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830 Issue date: 10/30/2019 Revision date: 3/26/2020
Supersedes: 1/13/2020

CandleCraft

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

1.1. Product identifier

Product form : Mixture
Product name : Blackberry Jam
UFI : GTPP-X1RV-A004-XECN
Product code : CC-13050
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]

Skin sensitisation, Category 1 H317
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. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazardous ingredients : Aldehyde C-16
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

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]
Dimethylbenzyl carbiny l butyrate(DMBCB)	(CAS-No.) 10094-34-5 (EC-No.) 233-221-8 (REACH-no) 01-2120742578-44	3.25 – 6.5	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Aldehyde C-14	(CAS-No.) 104-67-6 (EC-No.) 203-225-4 (REACH-no) 01-2119959333-34	3 – 6	Aquatic Chronic 3, H412
Diethyl malonate	(CAS-No.) 105-53-3 (EC-No.) 203-305-9 (REACH-no) 01-2119886972-18	2 – 4	Eye Irrit. 2, H319
Dimethylbenzyl carbiny l acetate(DMBCA)	(CAS-No.) 151-05-3 (EC-No.) 205-781-3	2 – 4	Aquatic Chronic 3, H412
Aldehyde C-16	(CAS-No.) 77-83-8 (EC-No.) 201-061-8 (REACH-no) 01-2119967770-28	1.375 – 2.75	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Benzene carboxaldehyde	(CAS-No.) 100-52-7 (EC-No.) 202-860-4 (EC Index-No.) 605-012-00-5 (REACH-no) 01-2119455540-44	0.625 – 1.25	Acute Tox. 4 (Oral), H302
methyl anthranilate	(CAS-No.) 134-20-3 (EC-No.) 205-132-4	0.5 – 1	Eye Irrit. 2, H319
d-Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119493353-35	0.1431 – 0.2862	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl acetate substance with a Community workplace exposure limit	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5 (REACH-no) 01-2119475103-46	0.1 – 0.2	Flam. Liq. 1, H224 Eye Irrit. 2, H319 STOT SE 3, H336
Methyl octine carbonate	(CAS-No.) 111-80-8 (EC-No.) 203-909-2 (REACH-no) 01-2120139912-55	0.05 – 0.1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317

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Damascenone Total	(CAS-No.) 23696-85-7 (EC-No.) 245-833-2	0.05 – 0.1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)	(CAS-No.) 24720-09-0 (EC-No.) 246-430-4	0.05 – 0.1	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

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	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. No open flames. No smoking. Avoid contact with skin and eyes.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Keep in fireproof place. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Storage temperature : 25 °C

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

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl acetate (141-78-6)

EU - Occupational Exposure Limits

IOELV TWA (mg/m ³)	734 mg/m ³
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m ³)	1468 mg/m ³
IOELV STEL (ppm)	400 ppm

Austria - Occupational Exposure Limits

MAK (mg/m ³)	734 mg/m ³
MAK (ppm)	200 ppm
MAK Short time value (mg/m ³)	1468 mg/m ³
MAK Short time value (ppm)	400 ppm

Belgium - Occupational Exposure Limits

Limit value (mg/m ³)	734 mg/m ³
Limit value (ppm)	200 ppm
Short time value (mg/m ³)	1468 mg/m ³
Short time value (ppm)	400 ppm

Bulgaria - Occupational Exposure Limits

OEL TWA (mg/m ³)	734 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm

Croatia - Occupational Exposure Limits

GVI (granična vrijednost izloženosti) (mg/m ³)	734 mg/m ³
GVI (granična vrijednost izloženosti) (ppm)	200 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	1468 mg/m ³
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	400 ppm

Cyprus - Occupational Exposure Limits

OEL TWA (mg/m ³)	734 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm

Czech Republic - Occupational Exposure Limits

Expoziční limity (PEL) (mg/m ³)	700 mg/m ³
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Denmark - Occupational Exposure Limits

Grænseværdie (langvarig) (mg/m ³)	540 mg/m ³
Grænseværdie (langvarig) (ppm)	150 ppm

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Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	500 mg/m ³
OEL TWA (ppm)	150 ppm
OEL STEL (mg/m ³)	1100 mg/m ³
OEL STEL (ppm)	300 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	730 mg/m ³
HTP-arvo (8h) (ppm)	200 ppm
HTP-arvo (15 min)	1470 mg/m ³
HTP-arvo (15 min) (ppm)	400 ppm
France - Occupational Exposure Limits	
VME (mg/m ³)	1400 mg/m ³
VME (ppm)	400 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	730 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar - Occupational Exposure Limits	
Eight hours mg/m ³	200 mg/m ³
Eight hours ppm	734 ppm
Short-term mg/m ³	400 mg/m ³
Short-term ppm	1468 ppm
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	734 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm
Hungary - Occupational Exposure Limits	
AK-érték	734 mg/m ³
CK-érték	1468 mg/m ³
OEL chemical category (HU)	Sensitizer
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	734 mg/m ³
OEL (8 hours ref) (ppm)	200 ppm
OEL (15 min ref) (mg/m ³)	1468 mg/m ³
OEL (15 min ref) (ppm)	400 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	200 mg/m ³
OEL TWA (ppm)	54 ppm

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Ethyl acetate (141-78-6)	
Lithuania - Occupational Exposure Limits	
IPRV (mg/m ³)	500 mg/m ³
IPRV (ppm)	150 ppm
NRV (mg/m ³)	1100 mg/m ³
NRV (ppm)	300 ppm
Luxembourg - Occupational Exposure Limits	
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm
Malta - Occupational Exposure Limits	
OEL TWA (mg/m ³)	734 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	734 mg/m ³
Grenswaarde TGG 15MIN (mg/m ³)	1468 mg/m ³
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	734 mg/m ³
NDSCh (mg/m ³)	1468 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m ³)	734 mg/m ³ (indicative limit value)
OEL TWA (ppm)	200 ppm (indicative limit value)
OEL STEL (mg/m ³)	1468 mg/m ³ (indicative limit value)
OEL STEL (ppm)	400 ppm (indicative limit value)
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	400 mg/m ³
OEL TWA (ppm)	111 ppm
OEL STEL (mg/m ³)	500 mg/m ³
OEL STEL (ppm)	139 ppm
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m ³)	734 mg/m ³
NPHV (priemerná) (ppm)	200 ppm
NPHV (Hraničná) (mg/m ³)	1100 mg/m ³
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	734 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	1468 mg/m ³
OEL STEL (ppm)	400 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	734 mg/m ³

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Ethyl acetate (141-78-6)	
VLA-ED (ppm)	200 ppm
VLA-EC (mg/m ³)	1468 mg/m ³
VLA-EC (ppm)	400 ppm
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	500 mg/m ³
nivågränsvärde (NVG) (ppm)	150 ppm
kortidsvärde (KTV) (mg/m ³)	1100 mg/m ³
kortidsvärde (KTV) (ppm)	300 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	734 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	1468 mg/m ³
WEL STEL (ppm)	400 ppm
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m ³)	734 mg/m ³
Grenseverdier (AN) (ppm)	200 ppm
Grenseverdier (Korttidsverdi) (mg/m ³)	917.5 mg/m ³ (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	250 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	730 mg/m ³
MAK (ppm)	200 ppm
KZGW (mg/m ³)	1460 mg/m ³
KZGW (ppm)	400 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	400 ppm

Benzene carboxaldehyde (100-52-7)	
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	5 mg/m ³
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	4.4 mg/m ³
HTP-arvo (8h) (ppm)	1 ppm
OEL Ceiling (mg/m ³)	17.4 mg/m ³
OEL Ceiling (ppm)	4 ppm
Hungary - Occupational Exposure Limits	
AK-érték	5 mg/m ³
CK-érték	10 mg/m ³
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	5 mg/m ³
Lithuania - Occupational Exposure Limits	
IPRV (mg/m ³)	5 mg/m ³

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Benzene carboxaldehyde (100-52-7)

Poland - Occupational Exposure Limits

NDS (mg/m ³)	10 mg/m ³
NDSch (mg/m ³)	40 mg/m ³

d-Limonene (5989-27-5)

Finland - Occupational Exposure Limits

HTP-arvo (8h) (mg/m ³)	140 mg/m ³
HTP-arvo (8h) (ppm)	25 ppm
HTP-arvo (15 min)	280 mg/m ³
HTP-arvo (15 min) (ppm)	50 ppm

Germany - Occupational Exposure Limits (TRGS 900)

Occupational exposure limit value (mg/m ³)	28 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization

Slovenia - Occupational Exposure Limits

OEL TWA (mg/m ³)	28 mg/m ³
OEL TWA (ppm)	5 ppm
OEL STEL (mg/m ³)	112 mg/m ³
OEL STEL (ppm)	20 ppm
OEL chemical category (SI)	Potential for cutaneous absorption

Spain - Occupational Exposure Limits

VLA-ED (mg/m ³)	168 mg/m ³
VLA-ED (ppm)	30 ppm
OEL chemical category (ES)	Sensitizer, skin - potential for cutaneous absorption

Norway - Occupational Exposure Limits

Grenseverdier (AN) (mg/m ³)	140 mg/m ³
Grenseverdier (AN) (ppm)	25 ppm
Grenseverdier (Korttidsverdi) (mg/m ³)	175 mg/m ³ (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	37.5 ppm (value calculated)
OEL chemical category (NO)	Sensitizing substance

Switzerland - Occupational Exposure Limits

MAK (mg/m ³)	40 mg/m ³
MAK (ppm)	7 ppm
KZGW (mg/m ³)	80 mg/m ³
KZGW (ppm)	14 ppm
OEL chemical category (CH)	Sensitizer

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light yellow. amber.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 90 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.95
Solubility	: No data available
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
Oxidising properties	: No data available
Explosive 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

Combustible liquid. May form flammable/explosive vapour-air mixture. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

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

Ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 18000 mg/kg
LC50 inhalation rat (ppm)	4000 ppm/4h

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

Diethyl malonate (105-53-3)	
LD50 oral rat	14900 µl/kg

Methyl octine carbonate (111-80-8)	
LD50 oral rat	2220 mg/kg
LD50 oral	1600 mg/kg bodyweight
LD50 dermal	4500 mg/kg bodyweight

Dimethylbenzyl carbonyl acetate(DMBCA) (151-05-3)	
LD50 oral rat	3300 mg/kg
LD50 oral	3300 mg/kg bodyweight

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methyl anthranilate (134-20-3)

LD50 oral rat	2910 mg/kg
LD50 oral	2780 mg/kg bodyweight
LD50 dermal rabbit	5000 mg/kg

Damascenone Total (23696-85-7)

LD50 dermal	2900 mg/kg bodyweight
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Aldehyde C-16 (77-83-8)

LD50 oral rat	5470 mg/kg
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Dimethylbenzyl carbiny l butyrate(DMBCB) (10094-34-5)

LD50 oral rat	> 5 g/kg
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Aldehyde C-14 (104-67-6)

LD50 oral rat	18500 mg/kg
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Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) (24720-09-0)

LD50 oral	1670 mg/kg bodyweight
LD50 dermal	2900 mg/kg bodyweight

d-Limonene (5989-27-5)

LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg

Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

d-Limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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

Ethyl acetate (141-78-6)

LC50 fish 1	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Benzene carboxaldehyde (100-52-7)

LC50 fish 1	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Diethyl malonate (105-53-3)

LC50 fish 1	10.3 – 13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	202.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	508.2 mg/l (Species: Desmodesmus subspicatus)

Aldehyde C-16 (77-83-8)

LC50 fish 1	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
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Aldehyde C-14 (104-67-6)

LC50 fish 1	569 mg/l 96 h
EC50 Daphnia 1	5.85 mg/l 48 h
EC50 other aquatic organisms 1	5.94 mg/l 72 h

d-Limonene (5989-27-5)

LC50 fish 1	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment. Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Ethyl acetate (141-78-6)

BCF fish 1	30
Partition coefficient n-octanol/water (Log Pow)	0.6

Benzene carboxaldehyde (100-52-7)

BCF fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.48 (at 20 °C)

Diethyl malonate (105-53-3)

Partition coefficient n-octanol/water (Log Pow)	0.96
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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

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

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

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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

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

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

Reference code	Applicable on
3(a)	Ethyl acetate ; d-Limonene
3(b)	Blackberry Jam CC-13050 ; Ethyl acetate ; Benzene carboxaldehyde ; Diethyl malonate ; d-Limonene ; Methyl octine carbonate ; methyl anthranilate ; Damasconone Total ; Aldehyde C-16 ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)
3(c)	Blackberry Jam CC-13050 ; d-Limonene ; Dimethylbenzyl carbonyl acetate(DMBCA) ; Damasconone Total ; Aldehyde C-16 ; Dimethylbenzyl carbonyl butyrate(DMBCB) ; Aldehyde C-14
40.	Ethyl acetate ; d-Limonene

Contains no substance on the REACH candidate list

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

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15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly 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
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

Class for fire hazard : Class III-1
Store unit : 50 liter
Classification remarks : Flammable according to the Danish Ministry of Justice; 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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Other information : None.

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

Skin Sens. 1	H317
Aquatic Chronic 3	H412

Full text of H- and EUH-statements:

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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H224	Extremely flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.

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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.
H336	May cause drowsiness or dizziness.
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.

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.