Blackberry Jam

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 5/26/2020

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	Blackberry Jam
UFI	:	DSF0-9385-F00T-D68F
Product code	:	
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

Kandara Oils Ltd
Unit 11, Agecroft Enterprise Park, Shearer Way,
Manchester, M27 8WA +447786556114
kandaraoils@gmail.com - www.kandaraoils.co.uk

1.4. Emergency telephone number

Emergency number	:	07786556114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Skin sensitization, 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

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

Hazard pictograms (CLP) :

GHS07

Signal word (CLP)	:	Warning
Contains	:	Aldehyde C-16; Damascenone Total; Methyl octine carbonate; Orange Oil; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

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.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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 carbinyl 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 carbinyl 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
Orange Oil	CAS-No.: 8028-48-6 EC-No.: 232-433-8	0.15 – 0.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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
Damascenone Total	CAS-No.: 23696-85-7 EC-No.: 245-833-2	0.05 – 0.1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
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
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- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

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

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

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

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 : 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

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

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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.
Special rules on packaging : Store in a closed container.
Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Benzene carboxaldehyde (100-52-7)	
Bulgaria - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Finland - Occupational Exposure Limits	
HTP (OEL TWA) [1]	4.4 mg/m³
HTP (OEL TWA) [2]	1 ppm
OEL C	17.4 mg/m³
OEL Ceiling [ppm]	4 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	5 mg/m³
CK (OEL STEL)	10 mg/m³

Benzene carboxaldehyde (100-52-7)	
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	5 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	10 mg/m³
NDSCh (OEL STEL)	40 mg/m³

Ethyl acetate (141-78-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	734 mg/m³
IOEL TWA [ppm]	200 ppm
IOEL STEL	1468 mg/m³
IOEL STEL [ppm]	400 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	734 mg/m³
MAK (OEL TWA) [ppm]	200 ppm
MAK (OEL STEL)	1468 mg/m³
MAK (OEL STEL) [ppm]	400 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA) [1]	734 mg/m³
GVI (OEL TWA) [2]	200 ppm
KGVI (OEL STEL)	1468 mg/m³
KGVI (OEL STEL) [ppm]	400 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm

Ethyl acetate (141-78-6)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	700 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA [1]	540 mg/m³
OEL TWA [2]	150 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	500 mg/m³
OEL TWA [ppm]	150 ppm
OEL STEL	1100 mg/m³
OEL STEL [ppm]	300 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA) [1]	730 mg/m³
HTP (OEL TWA) [2]	200 ppm
HTP (OEL STEL)	1470 mg/m³
HTP (OEL STEL) [ppm]	400 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1400 mg/m³
VME (OEL TWA) [ppm]	400 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA) [1]	730 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
AGW (OEL TWA) [2]	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	
OEL TWA	200 mg/m³
OEL TWA [ppm]	734 ppm
OEL STEL	400 mg/m³
OEL STEL [ppm]	1468 ppm
Greece - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	734 mg/m³
CK (OEL STEL)	1468 mg/m³
Chemical category	Sensitizer
Ireland - Occupational Exposure Limits	
OEL TWA [1]	734 mg/m³
OEL TWA [2]	200 ppm

Ethyl acetate (141-78-6)	
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Italy - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	200 mg/m³
OEL TWA [ppm]	54 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	500 mg/m³
IPRV (OEL TWA) [ppm]	150 ppm
NRV (OEL C)	1100 mg/m³
NRV (OEL C) [ppm]	300 ppm
Luxembourg - Occupational Exposure Limits	
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Malta - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Netherlands - Occupational Exposure Limits	
MAC-TGG (OEL TWA)	734 mg/m³
MAC-15 (OEL STEL)	1468 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	734 mg/m³
NDSCh (OEL STEL)	1468 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	734 mg/m³ (indicative limit value)
OEL TWA [ppm]	200 ppm (indicative limit value)
OEL STEL	1468 mg/m³ (indicative limit value)
OEL STEL [ppm]	400 ppm (indicative limit value)
Romania - Occupational Exposure Limits	
OEL TWA	400 mg/m³
OEL TWA [ppm]	111 ppm
OEL STEL	500 mg/m³
OEL STEL [ppm]	139 ppm

Ethyl acetate (141-78-6)	
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA) [1]	734 mg/m³
NPHV (OEL TWA) [2]	200 ppm
NPHV (OEL C)	1100 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	734 mg/m³
OEL TWA [ppm]	200 ppm
OEL STEL	1468 mg/m³
OEL STEL [ppm]	400 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA) [1]	734 mg/m³
VLA-ED (OEL TWA) [2]	200 ppm
VLA-EC (OEL STEL)	1468 mg/m³
VLA-EC (OEL STEL) [ppm]	400 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	550 mg/m³
NGV (OEL TWA) [ppm]	150 ppm
KTV (OEL STEL)	1100 mg/m³
KTV (OEL STEL) [ppm]	300 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	734 mg/m³
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	1468 mg/m³
WEL STEL (OEL STEL) [ppm]	400 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA) [1]	734 mg/m³
Grenseverdi (OEL TWA) [2]	200 ppm
Korttidsverdi (OEL STEL)	1468 mg/m³ (value from the regulation)
Korttidsverdi (OEL STEL) [ppm]	400 ppm (value from the regulation)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	730 mg/m³
MAK (OEL TWA) [2]	200 ppm
KZGW (OEL STEL)	1460 mg/m³
KZGW (OEL STEL) [ppm]	400 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	400 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	light yellow. amber.
Odor	:	characteristic.
Odor threshold	:	No data available
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	:	≈ 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
Oxidizing properties	:	No data available
Explosion limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
LD50 dermal rat	> 2000 mg/kg

Aldehyde C-16 (77-83-8)	
LD50 oral rat	5470 mg/kg
LD50 dermal rat	> 2000 mg/kg

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

Damascenone Total (23696-85-7)	
LD50 dermal	2900 mg/kg body weight

Diethyl malonate (105-53-3)	
LD50 oral rat	14900 µl/kg
LD50 dermal rabbit	> 16960 mg/kg

Dimethylbenzyl carbinyl butyrate(DMBCB) (10094-34-5)	
LD50 oral rat	> 5 g/kg

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

Dimethylbenzyl carbinyl acetate(DMBCA) (151-05-3)	
LD50 oral rat	3300 mg/kg
LD50 oral	3300 mg/kg body weight

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

methyl anthranilate (134-20-3)	
LD50 oral rat	2910 mg/kg
LD50 oral	2780 mg/kg body weight
LD50 dermal rabbit	5000 mg/kg

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 body weight
LD50 dermal rat	2150 – 2780 mg/kg
LD50 dermal	2900 mg/kg body weight

Orange Oil (8028-48-6)	
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : 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.

Aldehyde C-14 (104-67-6)	
LC50 - Fish [1]	569 mg/l 96 h
EC50 - Crustacea [1]	5.85 mg/l 48 h
EC50 - Other aquatic organisms [1]	5.94 mg/l 72 h

Aldehyde C-16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-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 - Crustacea [1]	202.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	508.2 mg/l (Species: Desmodesmus subspicatus)

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 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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

Diethyl malonate (105-53-3)	
Partition coefficient n-octanol/water (Log Pow)	0.96

Ethyl acetate (141-78-6)	
BCF - Fish [1]	30
Partition coefficient n-octanol/water (Log Pow)	0.6

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 / IMDG / IATA / ADN / RID

14.1. UN number

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

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

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

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

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

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

14.4. Packing group

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

14.5. Environmental hazards

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

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	**Applicable on**
3(b)	Aldehyde C-16 ; Benzene carboxaldehyde ; Damascenone Total ; Diethyl malonate ; Dimethylbenzyl carbinyl butyrate(DMBCB) ; Ethyl acetate ; methyl anthranilate ; Methyl octine carbonate ; Orange Oil ; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)
3(c)	Aldehyde C-14 ; Aldehyde C-16 ; Damascenone Total ; Dimethylbenzyl carbinyl acetate(DMBCA) ; Dimethylbenzyl carbinyl butyrate(DMBCB) ; Orange Oil
3(a)	Ethyl acetate ; Orange Oil
40.	Ethyl acetate ; Orange Oil

Contains no REACH candidate substance
Contains no REACH Annex XIV substances.
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

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

Germany

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	:	Orange Oil is listed
SZW-lijst van mutagene stoffen	:	Orange Oil is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	None of the components are listed

Denmark

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

Switzerland

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-phrases	
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
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 sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H224	Extremely flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.