## **BLACK CHERRY CONC. #EU55025F**

REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL Issue date(DD/MM/YEAR): 23/02/2023 Revision date: 22/08/2023

#### **DECLARATION OF COMPLIANCE FOR PERFUME COMPOUNDS (DCP)**

The adoption of the 7th amendement of the European Cosmetic Directive 76/768/EEC requires any cosmetic product containing any of 26 raw materials identified by the Scientific Committee on Cosmetic Products and Non-Food Products intended for Consumers as likely to cause a contact allergy when present above certain trigger levels to be declared on the package label.

Version: 1.0

ALLERGENS				
Name of common ingredients glossary	CAS-No.	Allergen % in product		
Linalool	78-70-6	2.011475		
d-Limonene	5989-27-5	2.4327		
Benzyl benzoate	120-51-4	53.038		
Citronellol	106-22-9	0.3		
Eugenol	97-53-0	0.7		
Benzyl alcohol	100-51-6	3		

# CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

### **CERTIFYING PARTY:**

#### **CERTIFICATE DELIVERED TO:**

**SCOPE OF THE CERTIFICATE:** 

Product: BLACK CHERRY CONC. #EU55025F

#### **Compulsory information:**

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51 Amendment to the IFRA Code of Practice (published June, 2023) provided it is used in the following class(es) at a maximum concentration level of:

IFRA Category(ies) [see Table 10 in Guidance for the use of IFRA Standards for details]	Level of use (%)*	Product application
Category 1	0 %	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys
Category 2	0.26415094 %	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.) Body sprays (including body mist)
Category 3	0.77303066 %	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation Make-up remover for face and eyes Nose pore strips Wipes or refreshing tissues for face, neck, hands, body

		Body and face paint (for children and adults) Facial masks for face and around the eyes
Category 4	4.71698113 %	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetic kits Scent pads, foil packs Scent strips for hydroalcoholic products
Category 5A	1.20754717 %	Body creams, oils, lotions of all types Foot care products (creams and powders) Insect repellent (intended to be applied to the skin) All powders and talc (excluding baby powders and talc)
Category 5B	0.39594253 %	Facial toner Facial moisturizers and creams (including care products for beard and mustache)
Category 5C	1.20754717 %	Hand cream Nail care products including cuticle creams, nail lacquer remover, etc. Hand sanitizers
Category 5D	0.13198084 %	Baby cream/lotion, baby oil, baby powders and talc
Category 6	0 %	Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	0.77303066 %	Hair permanent or other hair chemical treatments (rinse- off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	0.77303066 %	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids non sprays (mousse, gels, leave- on conditioners) Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo) Hair deodorizer, hair perfume*
Category 8	0.13198084 %	Intimate wipes Intimate deodorant spray Tampons Baby wipes Toilet paper (wet)
Category 9	3.58233719 %	Bar soap Shampoo of all type Cleanser for face (rinse-off) Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products

		added to bathwater (such as bath bombs) Foot care products (feet are placed in a bath for soaking) Shaving creams of all types (stick, gels, foams, etc.) All depilatories (including facial) and waxes for mechanical hair removal Shampoos for pets
Category 10A	3.58233719 %	Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g.paste, sprays, sticks) Hand dishwashing detergent (including concentrates) Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Toilet seat wipes Fabric softeners of all types excluding fabric softener sheets Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics) Floor wax Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water) Dry cleaning kits (involving manual application on the textile)
Category 10B	22.62528753 %	Animal sprays – sprays applied to animals of all types Air freshener sprays, manual, including aerosol and pump Aerosol/spray insecticides
Category 11A	0.13198084 %	Feminine hygiene conventional pads,liners, interlabial pads Baby diapers Incontinence pant, pad Toilet paper (dry)
Category 11B	0.13198084 %	Tights with moisturizers Scented socks, gloves Facial tissues (dry tissues) Napkins Pillow spray Paper towels Wheat bags Facial masks (paper/protective) e.g.surgical masks not used as medical device Fertilizers, solid (pellet or powder)
Category 12	100 %	Candles of all types (including encased) Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)

Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser)

Air delivery systems

Cat litter

Cell phone cases

Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)

Dry cleaning kits (placed in the dryer)

Dryer sheets and fabric softener sheets

**Fuels** 

Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays

Joss sticks or incense sticks

Dishwash detergent and deodorizers – for machine wash

Olfactive board games

**Paints** 

Plastic articles (excluding toys)

Scratch and sniff

Scent pack

Scent delivery system (using dry air technology)

Shoe polishes Rim blocks (toilet)

Toilet gel

Scent beads

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture (BLACK CHERRY CONC. #EU55025F) is as follows:

Materials under the scope of IFRA Standards	CAS-No.	Recommendat ion from IFRA Standard:	Concentration (%) in fragrance mixture or finished product	Comment
2-Hexenal	6728-26-3 505-57-7 16635-54-4	Restricted	0.0035	
Citronellol	106-22-9 1117-61-9 141-25-3 26489-01-0 6812-78-8 68916-43-8 7540-51-4	Restricted	0.3	
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	27939-60-2 35145-02-9 36635-35-5 67801-65-4 68039-48-5 68039-49-6	Restricted	0.063	

<sup>\*</sup>Actual use level or maximum use level

68084-52-6		
	Restricted	1.4
1334-70-7		
23696-85-7	Restricted	0.5
87064-19-5		
100-51-6	Restricted	3
100-52-7	Restricted	5.3
120-51-4	Restricted	53.038
97-53-0	Restricted	0.7
103-95-7	Restricted	0.5
5471-51-2	Restricted	4
67633-96-9	Restricted	0.2
138-86-3	Specification	2.4327
7705-14-8	-1	
5989-27-5		
5989-54-8		
	Specification	2 011475
5989-54-8 126-90-9 126-91-0	Specification	2.011475
	68737-61-1  529-20-4 620-23-5 104-87-0 1334-78-7  23696-85-7 23726-91-2 23726-93-4 23726-94-5 24720-09-0 33673-71-1 35044-68-9 35087-49-1 39872-57-6 43052-87-5 57378-68-4 70266-48-7 71048-82-3 59739-63-8 87064-19-5  100-51-6 100-52-7 120-51-4 97-53-0 103-95-7 5471-51-2 67633-96-9 138-86-3 7705-14-8 5989-27-5	68737-61-1  529-20-4 620-23-5 104-87-0 1334-78-7  23696-85-7 23726-91-2 23726-92-3 23726-93-4 23726-94-5 24720-09-0 33673-71-1 35044-68-9 35087-49-1 39872-57-6 43052-87-5 57378-68-4 70266-48-7 71048-82-3 59739-63-8 87064-19-5  100-51-6 Restricted  100-52-7 Restricted  100-52-7 Restricted  103-95-7 Restricted  103-95-7 Restricted  103-95-7 Restricted  138-86-3 7705-14-8 5989-27-5

Signature Date

#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 2/23/2023 Revision date: 4/3/2025 Supersedes version of: 8/22/2023 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture

 Trade name
 : BLACK CHERRY #EU55025F

 UFI
 : 42YX-2896-100X-3F58

Product code : EU55025F

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 : Professional use,Industrial use

Industrial/Professional use spec : Industrial

For professional use only

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

#### **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
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment – Acute Hazard,	H400

Category 1

Hazardous to the aquatic environment – Chronic Hazard, H411

Category 2

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

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#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP) : Warning

Contains : benzyl benzoate; benzaldehyde; Oxypheylon (Raspberry ketone) crystals; benzyl alcohol;

Orange oil ; Aldehyde C-16; Linalool; para-Tolyl aldehyde; Geranyl acetate; Ethyl maltol; Allyl caproate; Eugenol; Cyclamal; Damascone Beta; Citronellol Pure; Liffarome; trans-

Anethole

Hazard statements (CLP) : H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

H361 - Suspected of damaging fertility or the unborn child. H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Extra phrases : For professional users only.

#### 2.3. Other hazards

Contains no PBT and/or 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 substance(s) are 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	26.5 – 53.038	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
benzaldehyde substance with national workplace exposure limit(s) (BG, FI, HU, LT, LV, PL)	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	2.7 – 5.3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 STOT SE 3, H335
Oxypheylon (Raspberry ketone) crystals	CAS-No.: 5471-51-2 EC-No.: 226-806-4	2 – 4	Acute Tox. 4 (Oral), H302

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
beta-lonone	CAS-No.: 14901-07-6 EC-No.: 238-969-9	1.6 – 3.25	Aquatic Chronic 2, H411
Verdox	CAS-No.: 88-41-5 EC-No.: 201-828-7 REACH-no: 01-2119970713- 33	1.5 – 3	Aquatic Chronic 2, H411
benzyl alcohol substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630- 38	1.5 – 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	1.3 – 2.55	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Aldehyde C-16	CAS-No.: 77-83-8 EC-No.: 201-061-8 REACH-no: 01-2119967770- 28	1.3 – 2.55	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	1 – 2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
para-Tolyl aldehyde	CAS-No.: 104-87-0 EC-No.: 203-246-9	0.7 – 1.4	Acute Tox. 4 (Oral), H302
Geranyl acetate	CAS-No.: 105-87-3 EC-No.: 203-341-5 REACH-no: 01-2119973480- 35	0.6 – 1.25	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Ethyl maltol	CAS-No.: 4940-11-8 EC-No.: 225-582-5	0.5 – 1	Acute Tox. 4 (Oral), H302
Allyl caproate	CAS-No.: 123-68-2 EC-No.: 204-642-4 REACH-no: 01-2119983573- 26	0.5 – 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	0.5 – 1	Aquatic Chronic 3, H412
alpha-Ionone	CAS-No.: 127-41-3 EC-No.: 204-841-6 REACH-no: 01-2119965149- 27	0.5 – 1	Aquatic Chronic 3, H412
	CAS-No.: 104-21-2 EC-No.: 203-185-8	0.4 – 0.75	Skin Sens. 1, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802- 33	0.4 – 0.7	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317
2-phenoxyethanol substance with national workplace exposure limit(s) (AT, DE, FI, PL, SI, CH)	CAS-No.: 122-99-6 EC-No.: 204-589-7 EC Index-No.: 603-098-00-9 REACH-no: 01-2119488943- 21	0.3 – 0.5	Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Eye Dam. 1, H318
Cyclamal	CAS-No.: 103-95-7 EC-No.: 203-161-7 REACH-no: 01-2119970582- 32	0.3 – 0.5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Damascone Beta	CAS-No.: 23726-92-3 EC-No.: 245-843-7	0.3 – 0.5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
ethyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH); 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-	0.2 – 0.3	Flam. Liq. 1, H224 Eye Irrit. 2, H319 STOT SE 3, H336
Citronellol Pure	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995- 23	0.2 – 0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Liffarome	CAS-No.: 67633-96-9 EC-No.: 266-797-4	0.1 – 0.2	Skin Sens. 1B, H317
trans-Anethole	CAS-No.: 4180-23-8 EC-No.: 224-052-0	0.1 – 0.2	Skin Sens. 1B, H317
acetophenone substance with national workplace exposure limit(s) (BE, BG, DK, ES, FI, HU, IE, LT, LV, PL, PT, RO)	CAS-No.: 98-86-2 EC-No.: 202-708-7 EC Index-No.: 606-042-00-1 REACH-no: 01-2119533169- 37	0.1 – 0.15	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.0056	Aquatic Chronic 3, H412
Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.0014	Flam. Liq. 3, H226
Caproic acid substance with national workplace exposure limit(s) (BG, LT, LV)	CAS-No.: 142-62-1 EC-No.: 205-550-7	0 – 0.0001	Eye Dam. 1, H318 Skin Corr. 1C, H314

Full text of H- and EUH-statements: see section 16

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#### **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). IF exposed or concerned: Get medical

advice/attention. Call a poison center or a doctor if you feel unwell.

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. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). 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 cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Obtain emergency medical attention. Rinse mouth. 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 skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

#### 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 : Sand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 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

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

#### 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.

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#### 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

For containment : Collect spillage.

: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or Methods for cleaning up

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Notify authorities if product enters sewers or public waters.

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

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. 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. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures

Other information

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

: 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. Store locked up. Store in a well-ventilated place. Keep

Incompatible products Incompatible materials : Strong bases. Strong acids. : Sources of ignition. Direct sunlight.

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.

#### Germany

Storage class (LGK, TRGS 510) Jo

: LGK 10 - Combustible liquids

Joint storage table	: LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
	LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
	LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
	LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B

LGK 10

Joint storage not permitted for

LGK 11 : LGK 1, LGK 2A, LGK 5.1A, LGK 6.2, LGK 7

Joint storage with restrictions permitted for

LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2

LGK 12

Joint storage permitted for

LGK 2B, LGK 3, LGK 4.1B, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B,

**LGK 13** 

LGK 10-13

LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

#### **Switzerland**

Storage class (LK) : LK 6.1 - Toxic materials

#### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

benzaldehyde (100-52-7)				
Bulgaria - Occupational Exposure Limits				
OEL TWA	5 mg/m³			
Finland - Occupational Exposure Limits	og			
HTP (OEL TWA)	4.4 mg/m³			
THE (OLL IWA)				
LITP (OFL C)	1 ppm 17.4 mg/m³			
HTP (OEL C)				
	4 ppm			
Hungary - Occupational Exposure Limits				
AK (OEL TWA)	5 mg/m³			
CK (OEL STEL)	10 mg/m³			
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/m <sup>3</sup>			
benzyl alcohol (100-51-6)				
Bulgaria - Occupational Exposure Limits				
OEL TWA	5 mg/m³			
Czech Republic - Occupational Exposure Limits				
PEL (OEL TWA)	40 mg/m³			
Finland - Occupational Exposure Limits				
HTP (OEL TWA)	45 mg/m³			
	10 ppm			
Germany - Occupational Exposure Limits (TRGS 90	0)			
AGW (OEL TWA)	22 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)			
	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			
Latvia - Occupational Exposure Limits				
OEL TWA	5 mg/m³			
Lithuania - Occupational Exposure Limits				
IPRV (OEL TWA)	5 mg/m³			
OEL chemical category	Skin notation			

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benzyl alcohol (100-51-6)		
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	22 mg/m³	
	5 ppm	
OEL STEL	44 mg/m³	
	10 ppm	
OEL chemical category	Potential for cutaneous absorption	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	22 mg/m³ (aerosol, vapour)	
	5 ppm (aerosol, vapour)	
OEL chemical category	Skin notation	
Benzyl acetate (140-11-4)		
Belgium - Occupational Exposure Limits		
OEL TWA	62 mg/m³	
	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA	61 mg/m³	
	10 ppm	
OEL STEL	122 mg/m³	
	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL STEL	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
	8 ppm	
OEL STEL	80 mg/m³	
	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	62 mg/m³	
	10 ppm	

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Benzyl acetate (140-11-4)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
2-phenoxyethanol (122-99-6)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	110 mg/m³	
	20 ppm	
MAK (OEL STEL)	110 mg/m³	
	20 ppm	
OEL C	110 mg/m³	
	20 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	110 mg/m³	
	20 ppm	
HTP (OEL STEL)	290 mg/m³	
	50 ppm	
OEL chemical category	Potential for cutaneous absorption	
Germany - Occupational Exposure Limits (TRGS 90	00)	
AGW (OEL TWA)	5.7 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	230 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	5.7 mg/m³	
	1 ppm	
OEL STEL	5.7 mg/m³	
	1 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	110 mg/m³ (aerosol, vapour)	
	20 ppm (aerosol, vapour)	
KZGW (OEL STEL)	110 mg/m³ (aerosol, vapour)	
	20 ppm (aerosol, vapour)	
ethyl acetate (141-78-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	734 mg/m³	
	200 ppm	
IOEL STEL	1468 mg/m³	

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	400 ppm
	400 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	734 mg/m³
	200 ppm
MAK (OEL STEL)	1468 mg/m³
	400 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m³
	400 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m³
	400 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	734 mg/m³
	200 ppm
KGVI (OEL STEL)	1468 mg/m³
	400 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m³
	400 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	700 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	540 mg/m³
	150 ppm
OEL STEL	1468 mg/m³
	400 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	500 mg/m³
	150 ppm
OEL STEL	1100 mg/m³
	300 ppm

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ethyl acetate (141-78-6)	
Finland - Occupational Exposure Limits	T / -
HTP (OEL TWA)	730 mg/m³
	200 ppm
HTP (OEL STEL)	1470 mg/m³
	400 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	734 mg/m³ (restrictive limit)
	200 ppm (restrictive limit)
VLE (OEL C/STEL)	1468 mg/m³ (restrictive limit)
	400 ppm (restrictive limit)
Germany - Occupational Exposure Limits (TRGS 9	900)
AGW (OEL TWA)	730 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	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
	734 ppm
OEL STEL	400 mg/m³
	1468 ppm
Greece - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m³
	400 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	734 mg/m³
CK (OEL STEL)	1468 mg/m³
OEL chemical category	Sensitizer
Ireland - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m³
	400 ppm
Italy - Occupational Exposure Limits	
OEL TWA	734 mg/m³
	200 ppm
OEL STEL	1468 mg/m <sup>3</sup>
OLL SILL	
	400 ppm

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ethyl acetate (141-78-6)		
Latvia - Occupational Exposure Limits		
OEL TWA	200 mg/m³	
	54 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	500 mg/m³	
	150 ppm	
NRV (OEL C)	1100 mg/m³	
	300 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	734 mg/m³	
	200 ppm	
TGG-15min (OEL STEL)	1468 mg/m³	
	400 ppm	
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)	
	200 ppm (indicative limit value)	
OEL STEL	1468 mg/m³ (indicative limit value)	
	400 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	734 mg/m³	
	200 ppm	
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ethyl acetate (141-78-6)		
NPHV (OEL C)	1468 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	734 mg/m³	
	200 ppm	
VLA-EC (OEL STEL)	1468 mg/m³	
	400 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	550 mg/m³	
	150 ppm	
KGV (OEL STEL)	1100 mg/m³	
	300 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	734 mg/m³	
	200 ppm	
WEL STEL (OEL STEL)	1468 mg/m³	
	400 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	734 mg/m³	
	200 ppm	
Korttidsverdi (OEL STEL)	1468 mg/m³ (value from the regulation)	
	400 ppm (value from the regulation)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	730 mg/m³	
	200 ppm	
KZGW (OEL STEL)	1460 mg/m³	
	400 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	400 ppm	
acetophenone (98-86-2)		
Belgium - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
	10 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	

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acetophenone (98-86-2)		
Denmark - Occupational Exposure Limits		
OEL TWA	49 mg/m³	
	10 ppm	
OEL STEL	98 mg/m³	
	20 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	25 mg/m³	
	5 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	50 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA	49 mg/m³	
	10 ppm	
OEL STEL	147 mg/m³ (calculated)	
	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	Skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	50 mg/m³	
NDSCh (OEL STEL)	100 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	10 ppm	
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
	20 ppm	
OEL STEL	200 mg/m³	
	41 ppm	
Spain - Occupational Exposure Limits	1	
VLA-ED (OEL TWA)	50 mg/m³	
	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	10 ppm	
Alcohol C-10 (112-30-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m³	

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Alcohol C-10 (112-30-1)		
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA)	66 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	10 mg/m³	
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
	15 ppm	
OEL STEL	200 mg/m³	
	30 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	66 mg/m³ (aerosol, vapour)	
	10 ppm (aerosol, vapour)	
KZGW (OEL STEL)	66 mg/m³ (aerosol, vapour)	
	10 ppm (aerosol, vapour)	
Aldehyde C-6 (66-25-1)		
Finland - Occupational Exposure Limits		
HTP (OEL STEL)	42 mg/m³	
	10 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	40 mg/m³	
NDSCh (OEL STEL)	80 mg/m³	
Caproic acid (142-62-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	

#### 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

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#### 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:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):





#### 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses. Safety glasses

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### 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. Conforms to standard.

Odour : characteristic. Odour threshold : Not available : Not applicable Melting point : Not available Freezing point : Not available **Boiling point** : Not applicable Flammability Lower explosion limit : Not available : Not available Upper explosion limit Flash point : 87 °C : Not available Auto-ignition temperature Decomposition temperature : Not available : Not available

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Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : Not available Relative density : Not available Relative vapour density at 20°C 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

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

BLACK CHERRY #EU55025F		
ATE CLP (oral)	763.633 mg/kg bodyweight	
benzyl benzoate (120-51-4)		
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)	
LD50 oral	1160 mg/kg bodyweight	
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)	
benzaldehyde (100-52-7)		
LD50 oral rat	1292 mg/kg (Source: JAPAN_GHS)	

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benzaldehyde (100-52-7)		
LD50 dermal rabbit	> 1250 mg/kg (Source: JAPAN_GHS)	
LC50 Inhalation - Rat	< 5 mg/l/4h	
Oxypheylon (Raspberry ketone) crystals (547	1-51-2)	
LD50 oral rat	1320 mg/kg (Source: NLM_CIP)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
beta-lonone (14901-07-6)		
LD50 oral rat	4590 mg/kg (Source: NLM_HSDB)	
LD50 oral	3940 mg/kg bodyweight	
Verdox (88-41-5)		
LD50 oral rat	4600 mg/kg (Source: NLM_CIP)	
LD50 oral	4600 mg/kg	
benzyl alcohol (100-51-6)		
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)	
LD50 oral	1570 mg/kg	
Orange oil (8008-57-9)		
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Aldehyde C-16 (77-83-8)		
LD50 oral rat	5470 mg/kg (Source: NLM_CIP)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
Linalool (78-70-6)		
LD50 oral rat	2790 mg/kg (Source: NLM_CIP)	
LD50 oral	2790 mg/kg	
LD50 dermal rabbit	5610 mg/kg (Source: ECHA_API)	
para-Tolyl aldehyde (104-87-0)		
LD50 oral rat	1600 mg/kg (Source: NLM_CIP)	
LD50 oral	1000 mg/kg bodyweight	
Geranyl acetate (105-87-3)		
LD50 oral rat	6330 mg/kg (Source: NLM_CIP)	
Ethyl maltol (4940-11-8)		
LD50 oral rat	1150 mg/kg (Source: NLM_CIP)	
LD50 oral	1200 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)	
Allyl caproate (123-68-2)		
LD50 oral	218 mg/kg	
LD50 dermal rabbit	820 mg/kg (Source: ECHA_API)	
LD50 dermal	300 mg/kg	

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Benzyl acetate (140-11-4)		
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
LD50 oral	2490 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)	
alpha-ionone (127-41-3)		
LD50 oral	4590 mg/kg bodyweight	
(104-21-2)		
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
Eugenol (97-53-0)		
LD50 oral rat	1930 mg/kg (Source: NZ_CCID)	
LD50 oral	2500 mg/kg bodyweight	
LC50 Inhalation - Rat	> 2.58 mg/l/4h	
2-phenoxyethanol (122-99-6)		
LD50 oral rat	1850 mg/kg (Source: EU_CLH)	
LD50 oral	1394 mg/kg bodyweight	
LD50 dermal rabbit	5 ml/kg (Source: NLM_CIP)	
LC50 Inhalation - Rat	> 0.057 mg/l (Exposure time: 8 h Source: EU_CLH)	
Cyclamal (103-95-7)		
LD50 oral rat	3810 mg/kg (Source: NLM_CIP)	
LD50 oral	3810 mg/kg bodyweight	
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)	
Damascone Beta (23726-92-3)		
LD50 oral	2920 mg/kg bodyweight	
ethyl acetate (141-78-6)		
LD50 oral rat	5620 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 18000 mg/kg (Source: JAPAN_GHS)	
LC50 Inhalation - Rat [ppm]	4000 ppm/4h	
Citronellol Pure (106-22-9)		
LD50 oral rat	3450 mg/kg (Source: NLM_CIP)	
LD50 oral	3450 mg/kg bodyweight	
LD50 dermal rabbit	2650 mg/kg (Source: EPA_HPV)	
LD50 dermal	2650 mg/kg bodyweight	
trans-Anethole (4180-23-8)		
LD50 oral rat	2090 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 4900 mg/kg (Source: ECHA_API)	
LC50 Inhalation - Rat	> 5.1 mg/l/4h	
acetophenone (98-86-2)		
LD50 oral rat	2081 mg/kg (Source: ECHA_API)	

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acetophenone (98-86-2)	
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	3300 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 2.13 mg/l (Exposure time: 8 h Source: CHEMVIEW)
Alcohol C-10 (112-30-1)	
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 71 mg/l (Exposure time: 1 h Source: ECHA_API)
Aldehyde C-6 (66-25-1)	
LD50 oral rat	4890 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 8100 mg/kg (Source: ECHA_API)
Caproic acid (142-62-1)	
LD50 oral rat	3 g/kg (Source: NLM_HSDB)
LD50 oral	4000 mg/kg bodyweight
LD50 dermal rabbit	630 mg/kg (Source: NLM_HSDB)
Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitisation :	May cause an allergic skin reaction.
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Benzyl acetate (140-11-4)	
IARC group	3 - Not classifiable
Eugenol (97-53-0)	
IARC group	3 - Not classifiable
Reproductive toxicity :	Suspected of damaging fertility or the unborn child.
STOT-single exposure :	Not classified
benzaldehyde (100-52-7)	
STOT-single exposure	May cause respiratory irritation.
2-phenoxyethanol (122-99-6)	
STOT-single exposure	May cause respiratory irritation.
ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
benzyl benzoate (120-51-4)	
Viscosity, kinematic	7.456 mm²/s

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

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#### 11.2.2. Other information

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 : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

acute)

: Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

: Toxic to aquatic life with long lasting effects.

(6.1.6.1.6)	
benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
NOEC (chronic)	0.168 mg/l
benzaldehyde (100-52-7)	
LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)
Aldehyde C-16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)
Linalool (78-70-6)	
LC50 - Fish [1]	27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: ECHA)
EC50 - Crustacea [1]	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
Ethyl maltol (4940-11-8)	
LC50 - Fish [1]	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA)
Allyl caproate (123-68-2)	
LC50 - Fish [1]	0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
2-phenoxyethanol (122-99-6)	
LC50 - Fish [1]	337 – 352 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)

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ethyl acetate (141-78-6)		
LC50 - Fish [1]	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: IUCLID)	
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
acetophenone (98-86-2)		
LC50 - Fish [1]	162 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	155 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)	
Alcohol C-10 (112-30-1)		
LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)	
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Aldehyde C-6 (66-25-1)		
LC50 - Fish [1]	12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
Caproic acid (142-62-1)		
LC50 - Fish [1]	306 – 334 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)	

### 12.2. Persistence and degradability

BLACK CHERRY #EU55025F		
Persistence and degradability	Not established.	
benzyl benzoate (120-51-4)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
benzaldehyde (100-52-7)		
Persistence and degradability	Rapidly degradable	
Oxypheylon (Raspberry ketone) crystals (547	I-51-2)	
Persistence and degradability	Rapidly degradable	
beta-lonone (14901-07-6)		
Persistence and degradability	Rapidly degradable	
Verdox (88-41-5)		
Persistence and degradability	Rapidly degradable	
benzyl alcohol (100-51-6)		
Persistence and degradability	Rapidly degradable	
Orange oil (8008-57-9)		
Persistence and degradability	Rapidly degradable	

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Aldehyde C-16 (77-83-8)	
Persistence and degradability	Rapidly degradable
Linalool (78-70-6)	
Persistence and degradability	Rapidly degradable
para-Tolyl aldehyde (104-87-0)	
Persistence and degradability	Rapidly degradable
Geranyl acetate (105-87-3)	
Persistence and degradability	Rapidly degradable
Ethyl maltol (4940-11-8)	
Persistence and degradability	Rapidly degradable
Allyl caproate (123-68-2)	
Persistence and degradability	Rapidly degradable
Benzyl acetate (140-11-4)	
Persistence and degradability	Rapidly degradable
alpha-lonone (127-41-3)	
Persistence and degradability	Rapidly degradable
(104-21-2)	
Persistence and degradability	Rapidly degradable
Eugenol (97-53-0)	
Persistence and degradability	Rapidly degradable
2-phenoxyethanol (122-99-6)	
Persistence and degradability	Rapidly degradable
Cyclamal (103-95-7)	
Persistence and degradability	Not established.
Damascone Beta (23726-92-3)	
Persistence and degradability	Rapidly degradable
ethyl acetate (141-78-6)	
Persistence and degradability	Rapidly degradable
Citronellol Pure (106-22-9)	
Persistence and degradability	Rapidly degradable
Liffarome (67633-96-9)	
Persistence and degradability	Rapidly degradable
trans-Anethole (4180-23-8)	
Persistence and degradability	Rapidly degradable
acetophenone (98-86-2)	
Persistence and degradability	Rapidly degradable

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Alcohol C-10 (112-30-1)	
Persistence and degradability	Rapidly degradable
Aldehyde C-6 (66-25-1)	
Persistence and degradability	Rapidly degradable
Caproic acid (142-62-1)	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

12.5. Dioaccumulative potential		
BLACK CHERRY #EU55025F		
Bioaccumulative potential	Not established.	
benzyl benzoate (120-51-4)		
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)	
Bioaccumulative potential	Not established.	
benzaldehyde (100-52-7)		
BCF - Fish [1]	(no significant bioaccumulation)	
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)	
Oxypheylon (Raspberry ketone) crystals (547	1-51-2)	
Partition coefficient n-octanol/water (Log Pow)	1.33 (at 20 °C)	
beta-lonone (14901-07-6)		
Partition coefficient n-octanol/water (Log Pow)	1.903 (at 27 °C (at pH 5.7)	
benzyl alcohol (100-51-6)		
Partition coefficient n-octanol/water (Log Pow)	1.05	
Aldehyde C-16 (77-83-8)		
Partition coefficient n-octanol/water (Log Pow)	2.4 (at 25 °C (cis isomer)	
Linalool (78-70-6)		
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 20 °C (at pH 7)	
para-Tolyl aldehyde (104-87-0)		
Partition coefficient n-octanol/water (Log Pow)	2.25	
Geranyl acetate (105-87-3)		
Partition coefficient n-octanol/water (Log Pow)	4.04	
Ethyl maltol (4940-11-8)		
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)	
Allyl caproate (123-68-2)		
Partition coefficient n-octanol/water (Log Pow)	3.191 (at 20 °C (at pH 5)	
Benzyl acetate (140-11-4)		
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)	

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alpha-lonone (127-41-3)		
Partition coefficient n-octanol/water (Log Pow)	3.896 (at 25 °C (at pH 7.2)	
(104-21-2)		
Partition coefficient n-octanol/water (Log Pow)	1.9 (at 35 °C)	
Eugenol (97-53-0)		
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5)	
2-phenoxyethanol (122-99-6)		
Partition coefficient n-octanol/water (Log Pow)	1.107	
Cyclamal (103-95-7)		
Partition coefficient n-octanol/water (Log Pow)	3.4 (at 35 °C)	
Bioaccumulative potential	Not established.	
ethyl acetate (141-78-6)		
BCF - Fish [1]	(30 dimensionless)	
Partition coefficient n-octanol/water (Log Pow)	0.73 (at 20 °C (at pH 7)	
Citronellol Pure (106-22-9)		
Partition coefficient n-octanol/water (Log Pow)	3.41 (at 25 °C)	
Liffarome (67633-96-9)		
Partition coefficient n-octanol/water (Log Pow)	3 (at 25 °C)	
acetophenone (98-86-2)		
Partition coefficient n-octanol/water (Log Pow)	1.63 – 1.65	
Alcohol C-10 (112-30-1)		
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)	
Aldehyde C-6 (66-25-1)		
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)	
Caproic acid (142-62-1)		
Partition coefficient n-octanol/water (Log Pow)	1.88	

### 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

Additional information : Avoid release to the environment.

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#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

**Ecological information** 

**HP Code** 

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.
- : HP6 "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP10 - "Toxic for reproduction:" waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shippin	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)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)
Transport document descr	iption			
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, 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
14.3. Transport hazard	class(es)			
9	9	9	9	9
**************************************		**************************************	**************************************	9
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	zards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary informatio	n available			ı

## 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : M6

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Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 51 Excepted quantities (ADR) : E1

: P001, IBC03, LP01, R001 Packing instructions (ADR)

: PP1 Special packing provisions (ADR) : MP19 Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) : T4 Portable tank and bulk container special provisions : TP1, TP29

(ADR)

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 : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates

90 3082

Tunnel restriction code (ADR) EAC code •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : LP01, P001 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP1, TP29 EmS-No. (Fire) : F-A : S-F

EmS-No. (Spillage) Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1 : Y964 PCA Limited quantities (IATA) : 30kgG PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) : 964 PCA max net quantity (IATA) : 450L CAO packing instructions (IATA) : 964 CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA)

**Inland waterway transport** 

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 L Excepted quantities (ADN) : E1 Carriage permitted (ADN) : T : PP Equipment required (ADN) Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6

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

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

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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 : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading : CW13, CW31

and handling (RID)

Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 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)	Orange oil ; ethyl acetate ; Aldehyde C-6	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)	BLACK CHERRY #EU55025F; benzyl benzoate; benzaldehyde ; benzyl alcohol; Orange oil; Aldehyde C-16; Linalool; para-Tolyl aldehyde; Geranyl acetate; Allyl caproate;; Eugenol; 2- phenoxyethanol; Cyclamal; Damascone Beta; ethyl acetate; Citronellol Pure; Liffarome; trans-Anethole ; acetophenone; Caproic acid	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)	BLACK CHERRY #EU55025F; benzyl benzoate; beta-lonone; Verdox; Orange oil; Aldehyde C-16; Geranyl acetate; Allyl caproate; Benzyl acetate; alpha- lonone; Cyclamal; Damascone Beta; Alcohol C-10	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

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
40.	Orange oil ; ethyl acetate ; Aldehyde C-6	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)

#### **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)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **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 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 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

**Netherlands** 

ABM category : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen : Orange oil ,Liffarome are listed SZW-lijst van mutagene stoffen : Orange oil ,Liffarome are listed SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

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

Vruchtbaarheid

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

Denmark

Class for fire hazard : Class III-1 Store unit : 50 liter

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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.

Full text of H- and EUH-statements:		
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, 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	
H224	Extremely flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H314	Causes severe skin burns and eye damage.	
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.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H361	Suspected of damaging fertility or the unborn child.	
H400	Very toxic to aquatic life.	

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Full text of H- and EUH-statements:	
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
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, 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.