

In accordance with REACH Regulation EC No.1907/2006

Product: BLACKBERRY FRAGRANCE

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY	
Product Identifier Product Identifier/ No: UFI:	BLACKBERRY
Relevant identified uses of the mixture and uses advised against:	Perfuming agent for finished consumer products. Not for personal use in this form or concentration.
Details of the supplier of the safety data sheet:	EK Evolve Services Ltd Warehouse 6, Block B, 26 Gianni Koromia 1028 Kaimakli, Nicosia, CYPRUS Phone: +357 22770035 E-Mail: info@candlesuppliescyprus.com
Emergency telephone number:	+357 22770035 Emergency consultation (GR/EN) during office hours Monday to Friday 09:00 - 17:00 (GMT+3)

2. HAZARD IDENTIFICATION
Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008:
 environment Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.  Skin Sens. 1 H317 May cause an allergic skin reaction. <ul style="list-style-type: none"> · Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms  GHS07 GHS09

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Signal word	Warning
<p>Hazard-determining components of labelling: alpha-Hexylcinnamaldehyde 4-Hydroxy-2,5-dimethyl-3(2H)-furanone omega-Pentadecalactone 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one</p> <p>· Hazard statements H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.</p> <p>· Precautionary statements P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see on this label). P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p> <p>· Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.</p>	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous components:		
CAS: 120-51-4 EINECS: 204-402-9	Benzyl benzoate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302	>50-≤100%
CAS: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	>2.5-≤10%
CAS: 60-12-8 EINECS: 200-456-2	Phenethyl alcohol ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	>2.5-<10%
CAS: 84-66-2 EINECS: 201-550-6	Diethyl phthalate substance with a Community workplace exposure limit	≤2.5%
CAS: 1222-05-5 EINECS: 214-946-9	Abbalide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<2.5%
CAS: 14901-07-6 EINECS: 238-969-9	beta-Ionone ⚠ Aquatic Chronic 2, H411	≥0.25-<2.5%
CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol substance with a Community workplace exposure limit	≤2.5%
CAS: 106-02-5 EINECS: 203-354-6	omega-Pentadecalactone ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	≥0.25-<1%
CAS: 3658-77-3 EINECS: 222-908-8	4-Hydroxy-2,5-dimethyl-3(2H)-furanone ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317	≥0.1-<1%



SAFETY DATA SHEET

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4. FIRST AID MEASURES
4.1 Description of first aid measures
<ul style="list-style-type: none">· After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.· After skin contact: Immediately wash with water and soap and rinse thoroughly.· After eye contact: Rinse opened eye for several minutes under running water.· After swallowing: If symptoms persist consult doctor.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of immediate medical attention and special treatment needed
No further relevant information available.
5. FIREFIGHTING MEASURES
5.1 Extinguishing media
Suitable extinguishing agents: CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
5.2 Special hazard arising from the substance or mixture
No further relevant information available.
5.3 Advice for fire-fighters
Protective equipment: No special measures required.
6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures Not required.
6.2 Environmental precautions
Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

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6.4 Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see section 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

84-66-2 Diethyl phthalate

WEL	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
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57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

9. PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid
Colour: Yellowish
Odour: Product specific

Odour threshold: Not determined.

· **pH-value:** Mixture is non polar/aprotic.

· **Change in condition**
Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 214 °C

· **Flash point:** 96 °C

· **Flammability (solid, gas):** Not applicable.

· **Auto-ignition temperature:** 340 °C

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**
Lower: 0.3 Vol %

Upper: 2.8 Vol %

· **Vapour pressure at 156 °C:** 6 hPa

· **Density at 20 °C:** 1.03813 g/cm³
· **Relative density:** Not determined. Not determined.
· **Vapour density:** Not determined.

Evaporation rate

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· · Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· · Partition coefficient: n-octanol/water:	Not determined.
· · Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
· · Solvent content: Organic solvents: VOC (EC)	1.7 % 1.74 %
· Solids content:	52.2 %
· · Other information	No further relevant information available.

10. STABILITY AND REACTIVITY

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on hazard classes according to Regulation (EC) No 1272/2008

Acute toxicity: The classification criteria are not met.

· **LD/LC50 values relevant for classification:**

120-51-4 Benzyl benzoate

Oral	LD50	1,500 mg/kg (ATE) 1,700 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (ATE) 4,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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 	<p>· Class 9 Miscellaneous dangerous substances and articles.</p> <p>Label 9</p>
<p>· Packing group</p> <p>ADR, IMDG, IATA III</p>	
<p>· Environmental hazards:</p> <p>· Marine pollutant:</p> <p>· Special marking (ADR):</p>	<p>Product contains environmentally hazardous substances: alpha-Hexylcinnamaldehyde</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<p>Special marking (IATA):</p>	<p>Symbol (fish and tree)</p>
<p>· Special precautions for user</p> <p>· Hazard identification number (Kemler code): 90</p> <p>· EMS Number:</p>	<p>Warning: Miscellaneous dangerous substances and articles.</p> <p>F-A,S-F</p>
<p>Stowage Category A</p>	
<p>· Transport in bulk according to Annex II of Marpol and the IBC Code</p>	<p>Not applicable.</p>
<p>· Transport/Additional information:</p>	
<p>· ADR</p> <p>· Limited quantities (LQ)</p> <p>· Excepted quantities (EQ)</p> <p>· Transport category</p>	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>3</p>
<p>Tunnel restriction code (-)</p>	
<p>· IMDG</p> <p>· Limited quantities (LQ)</p> <p>· Excepted quantities (EQ)</p> <p>· Maximum net quantity per inner packaging: 30 ml</p> <p>· Maximum net quantity per outer packaging: 1000 ml</p>	<p>5L</p> <p>Code: E1</p>
<p>· UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE, ALPHA- HEXYLCINNAMALDEHYDE), 9, III</p>	

15. REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** E1 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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16. Other information			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top; padding: 5px;">16.1</td> <td style="width: 25%; vertical-align: top; padding: 5px;">Full text of abbreviated H-phrases</td> <td style="padding: 5px;"> <p>H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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. H302 Harmful if swallowed.</p> </td> </tr> </table>	16.1	Full text of abbreviated H-phrases	<p>H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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. H302 Harmful if swallowed.</p>
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<p>Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation – Category 1B Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Skin Sens. 1B: Skin sensitisation – Category 1B Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2</p>			