

**Fresso Car Perfume Dark Delight**



**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** Fresso Car Perfume Dark Delight
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Car perfumes  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
FRISTO Damian Figarski  
ul. Panny Wodnej 46/48 lok. 21  
04-862 Warszawa  
tel. +48 799 27 27 26  
E- mail osoby odpowiedzialnej za kartę charakterystyki: biuro@fresso.pl
- 1.4 Emergency telephone number:** 112 (24/7)

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Flam. Liq. 2: Flammable liquids, Category 2, H225  
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
Danger
- 
- Hazard statements:**  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects  
Eye Irrit. 2: H319 - Causes serious eye irritation  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour  
Skin Sens. 1B: H317 - May cause an allergic skin reaction
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand  
P102: Keep out of reach of children  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352: IF ON SKIN: Wash with plenty of water  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention  
P501: Dispose of contents/container according to the separated collection system used in your municipality
- Supplementary information:**  
EUH208: Contains (z)-3,4,5,6,6-pentamethylhept-3-en-2-one, 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra, Citral, Citronellol, Coumarin, Geranyl acetate, Linalool, Nopyl acetate. May produce an allergic reaction
- Substances that contribute to the classification**  
Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis- 4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate
- Acute Toxicity Estimate (ATE mix):**  
3,15 % (oral) of the mixture consists of ingredient(s) of unknown toxicity
- 2.3 Other hazards:**

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

**Chemical description:** Odoriferous mixture based on natural and/or synthetic ingredients

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification  |  | Concentration |
|---|---|--|---------------|
| CAS: 64-17-5<br>EC: 200-578-6<br>Index: 603-002-00-5<br>REACH: 01-2119457610-43-XXXX          | Ethanol <sup>(1)</sup> Self-classified  |  | 57 – 76 %     |
|   | Regulation 1272/2008  | Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger                              |               |
| CAS: 28219-61-6<br>EC: 248-908-8<br>Index: Non-applicable<br>REACH: 01-2119529224-45-XXXX     | 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol <sup>(1)</sup> Self-classified  |  | 1,8 – 2,7 %   |
|   | Regulation 1272/2008  | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319 - Warning |               |
| CAS: 78-93-3<br>EC: 201-159-0<br>Index: 606-002-00-3<br>REACH: 01-2119457290-43-XXXX          | 2-butanone <sup>(1)</sup> ATP CLP00   |  | 0,76 – 1,9 %  |
|   | Regulation 1272/2008  | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger     |               |
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX          | Propan-2-ol <sup>(1)</sup> ATP CLP00  |  | 0,76 – 1,9 %  |
|   | Regulation 1272/2008  | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger             |               |
| CAS: 27606-09-3<br>EC: 248-561-2<br>Index: Non-applicable<br>REACH: Non-applicable            | 2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d]-1,3-dioxin <sup>(1)</sup> Self-classified  |  | 0,9 – 1,35 %  |
|   | Regulation 1272/2008  | Acute Tox. 4: H302 - Warning   |               |
| CAS: 58430-94-7<br>EC: 261-245-9<br>Index: Non-applicable<br>REACH: 01-2119972325-34-XXXX     | Isononyl acetate <sup>(1)</sup> Self-classified   |  | 0,9 – 1,35 %  |
|   | Regulation 1272/2008  | Aquatic Chronic 2: H411; Skin Irrit. 2: H315 - Warning                       |               |
| CAS: Non-applicable<br>EC: 939-728-7<br>Index: Non-applicable<br>REACH: 01-2119983293-30-XXXX | Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis-4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate <sup>(1)</sup> Self-classified |  | 0,9 – 1,35 %  |
|   | Regulation 1272/2008  | Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 81786-73-4<br>EC: 279-822-9<br>Index: Non-applicable<br>REACH: Non-applicable            | (z)-3,4,5,6,6-pentamethylhept-3-en-2-one <sup>(1)</sup> Self-classified   |  | <1 %          |
|   | Regulation 1272/2008  | Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning                       |               |
| CAS: 105-87-3<br>EC: 203-341-5<br>Index: Non-applicable<br>REACH: 01-2119973480-35-XXXX       | Geranyl acetate <sup>(1)</sup> Self-classified  |  | <1 %          |
|   | Regulation 1272/2008  | Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning   |               |
| CAS: 91-64-5<br>EC: 202-086-7<br>Index: Non-applicable<br>REACH: 01-211949300-45-XXXX         | Coumarin <sup>(1)</sup> Self-classified   |  | <1 %          |
|   | Regulation 1272/2008  | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Sens. 1: H317 - Warning    |               |
| CAS: 123-92-2<br>EC: 204-662-3<br>Index: 607-130-00-2<br>REACH: 01-2119548408-32-XXXX         | Isopentyl acetate <sup>(2)</sup> ATP CLP00  |  | <1 %          |
|   | Regulation 1272/2008  | Flam. Liq. 3: H226; EUH066 - Warning   |               |
| CAS: 128-51-8<br>EC: 204-891-9<br>Index: Non-applicable<br>REACH: Non-applicable              | Nopyl acetate <sup>(1)</sup> Self-classified  |  | <1 %          |
|   | Regulation 1272/2008  | Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning   |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>(2)</sup> Substance with a Union workplace exposure limit

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification  | Chemical name/Classification   |  | Concentration |
|---|--|--|---------------|
| CAS: 78-70-6<br>EC: 201-134-4<br>Index: 603-235-00-2<br>REACH: 01-2119474016-42-XXXX    | <b>Linalool<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|   | Regulation 1272/2008   | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 106-22-9<br>EC: 203-375-0<br>Index: Non-applicable<br>REACH: 01-2119453995-23-XXXX | <b>Citronellol<sup>(1)</sup></b>   | Self-classified  | <1 %          |
|   | Regulation 1272/2008   | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 5392-40-5<br>EC: 226-394-6<br>Index: 605-019-00-3<br>REACH: 01-2119462829-23-XXXX  | <b>Citral<sup>(1)</sup></b>  | Self-classified  | <1 %          |
|   | Regulation 1272/2008   | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning   |               |
| CAS: 80-54-6<br>EC: 201-289-8<br>Index: Non-applicable<br>REACH: 01-2119907954-30-XXXX  | <b>2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<sup>(1)</sup></b> | Self-classified  | <1 %          |
|   | Regulation 1272/2008   | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Repr. 2: H361; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>(2)</sup> Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

Other information:

| Identification                           | Specific concentration limit      |
|--|-----------------------------------|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6 | % (w/w) >=50: Eye Irrit. 2 - H319 |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

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**SECTION 5: FIREFIGHTING MEASURES (continued)**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

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**SECTION 7: HANDLING AND STORAGE (continued)**

**B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace

| Identification                                   | Environmental limits |         |                       |
|--|----------------------|---------|-----------------------|
|  | IOELV (8h)           | 200 ppm | 600 mg/m <sup>3</sup> |
| 2-butanone<br>CAS: 78-93-3 EC: 201-159-0         | IOELV (STEL)         | 300 ppm | 900 mg/m <sup>3</sup> |
| Isopentyl acetate<br>CAS: 123-92-2 EC: 204-662-3 | IOELV (8h)           | 50 ppm  | 270 mg/m <sup>3</sup> |
|  | IOELV (STEL)         | 100 ppm | 540 mg/m <sup>3</sup> |

**DNEL (Workers):**

| Identification  |            | Short exposure         |                        | Long exposure           |                         |
|---|------------|------------------------|------------------------|-------------------------|-------------------------|
|   |            | Systemic               | Local                  | Systemic                | Local                   |
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 343 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 1900 mg/m <sup>3</sup> | 950 mg/m <sup>3</sup>   | Non-applicable          |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | 6 mg/kg                | Non-applicable         | 1,4 mg/kg               | Non-applicable          |
|   | Inhalation | 7 mg/m <sup>3</sup>    | Non-applicable         | 7 mg/m <sup>3</sup>     | Non-applicable          |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 1161 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 600 mg/m <sup>3</sup>   | Non-applicable          |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 888 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 500 mg/m <sup>3</sup>   | Non-applicable          |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9  | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 0,13 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 0,94 mg/m <sup>3</sup>  | Non-applicable          |
| Geranyl acetate<br>CAS: 105-87-3<br>EC: 203-341-5   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 35,5 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 62,59 mg/m <sup>3</sup> | Non-applicable          |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 0,79 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 6,78 mg/m <sup>3</sup>  | Non-applicable          |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 2,95 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 20,8 mg/m <sup>3</sup>  | Non-applicable          |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | 5 mg/kg                | Non-applicable         | 2,5 mg/kg               | Non-applicable          |
|   | Inhalation | 16,5 mg/m <sup>3</sup> | Non-applicable         | 2,8 mg/m <sup>3</sup>   | Non-applicable          |
| Citronellol<br>CAS: 106-22-9<br>EC: 203-375-0   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 327,4 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable         | 10 mg/m <sup>3</sup>   | 161,6 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup>    |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 1,7 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 9 mg/m <sup>3</sup>     | Non-applicable          |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8          | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | 20 mg/kg               | Non-applicable         | 3,33 mg/kg              | Non-applicable          |
|   | Inhalation | 0,29 mg/m <sup>3</sup> | 0,29 mg/m <sup>3</sup> | 0,048 mg/m <sup>3</sup> | 0,048 mg/m <sup>3</sup> |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

| Identification  |            | Short exposure         |                        | Long exposure           |                         |
|---|------------|------------------------|------------------------|-------------------------|-------------------------|
|   |            | Systemic               | Local                  | Systemic                | Local                   |
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | Oral       | Non-applicable         | Non-applicable         | 87 mg/kg                | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 206 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 950 mg/m <sup>3</sup>  | 114 mg/m <sup>3</sup>   | Non-applicable          |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | Oral       | 3 mg/kg                | Non-applicable         | 0,5 mg/kg               | Non-applicable          |
|   | Dermal     | 3 mg/kg                | Non-applicable         | 0,5 mg/kg               | Non-applicable          |
|   | Inhalation | 1,5 mg/m <sup>3</sup>  | Non-applicable         | 1,5 mg/m <sup>3</sup>   | Non-applicable          |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | Oral       | Non-applicable         | Non-applicable         | 31 mg/kg                | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 412 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 106 mg/m <sup>3</sup>   | Non-applicable          |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | Oral       | Non-applicable         | Non-applicable         | 26 mg/kg                | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 319 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 89 mg/m <sup>3</sup>    | Non-applicable          |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9  | Oral       | Non-applicable         | Non-applicable         | 0,07 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 0,07 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 0,23 mg/m <sup>3</sup>  | Non-applicable          |
| Geranyl acetate<br>CAS: 105-87-3<br>EC: 203-341-5   | Oral       | Non-applicable         | Non-applicable         | 8,9 mg/kg               | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 17,75 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 15,4 mg/m <sup>3</sup>  | Non-applicable          |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7   | Oral       | Non-applicable         | Non-applicable         | 0,39 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 0,39 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 1,69 mg/m <sup>3</sup>  | Non-applicable          |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3   | Oral       | Non-applicable         | Non-applicable         | 1,47 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 1,47 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 5,1 mg/m <sup>3</sup>   | Non-applicable          |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4   | Oral       | 1,2 mg/kg              | Non-applicable         | 0,2 mg/kg               | Non-applicable          |
|   | Dermal     | 2,5 mg/kg              | Non-applicable         | 1,25 mg/kg              | Non-applicable          |
|   | Inhalation | 4,1 mg/m <sup>3</sup>  | Non-applicable         | 0,7 mg/m <sup>3</sup>   | Non-applicable          |
| Citronellol<br>CAS: 106-22-9<br>EC: 203-375-0   | Oral       | Non-applicable         | Non-applicable         | 13,8 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 196,4 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable         | 10 mg/m <sup>3</sup>   | 47,8 mg/m <sup>3</sup>  | 10 mg/m <sup>3</sup>    |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6   | Oral       | Non-applicable         | Non-applicable         | 0,6 mg/kg               | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 1 mg/kg                 | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | 2,7 mg/m <sup>3</sup>   | Non-applicable          |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8          | Oral       | 0,041 mg/kg            | Non-applicable         | 0,007 mg/kg             | Non-applicable          |
|   | Dermal     | 20 mg/kg               | Non-applicable         | 1,67 mg/kg              | Non-applicable          |
|   | Inhalation | 0,07 mg/m <sup>3</sup> | 0,07 mg/m <sup>3</sup> | 0,012 mg/m <sup>3</sup> | 0,012 mg/m <sup>3</sup> |

PNEC:

| Identification  |              |                |                         |                |  |
|---|--------------|----------------|-------------------------|----------------|--|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | STP          | 580 mg/L       | Fresh water             | 0,96 mg/L      |  |
|   | Soil         | Non-applicable | Marine water            | 0,79 mg/L      |  |
|   | Intermittent | 2,75 mg/L      | Sediment (Fresh water)  | 3,6 mg/kg      |  |
|   | Oral         | 720 g/kg       | Sediment (Marine water) | Non-applicable |  |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | STP          | 1 mg/L         | Fresh water             | 0,00063 mg/L   |  |
|   | Soil         | 0,00839 mg/kg  | Marine water            | 0,00063 mg/L   |  |
|   | Intermittent | Non-applicable | Sediment (Fresh water)  | 0,04379 mg/kg  |  |
|   | Oral         | 1 g/kg         | Sediment (Marine water) | Non-applicable |  |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | STP          | 709 mg/L       | Fresh water             | 55,8 mg/L      |  |
|   | Soil         | 22,5 mg/kg     | Marine water            | 55,8 mg/L      |  |
|   | Intermittent | 55,8 mg/L      | Sediment (Fresh water)  | 284,74 mg/kg   |  |
|   | Oral         | 1000 g/kg      | Sediment (Marine water) | 284,7 mg/kg    |  |

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Fresso Car Perfume Dark Delight



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification   |              |                |                         |               |
|--|--------------|----------------|-------------------------|---------------|
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7   | STP          | 2251 mg/L      | Fresh water             | 140,9 mg/L    |
|  | Soil         | 28 mg/kg       | Marine water            | 140,9 mg/L    |
|  | Intermittent | 140,9 mg/L     | Sediment (Fresh water)  | 552 mg/kg     |
|  | Oral         | 160 g/kg       | Sediment (Marine water) | 552 mg/kg     |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9                                   | STP          | 10 mg/L        | Fresh water             | 0,0077 mg/L   |
|  | Soil         | 0,573 mg/kg    | Marine water            | 0,00077 mg/L  |
|  | Intermittent | 0,077 mg/L     | Sediment (Fresh water)  | 2,895 mg/kg   |
|  | Oral         | 2,66 g/kg      | Sediment (Marine water) | 0,29 mg/kg    |
| Geranyl acetate<br>CAS: 105-87-3<br>EC: 203-341-5                                      | STP          | 8 mg/L         | Fresh water             | 0,00372 mg/L  |
|  | Soil         | 0,0859 mg/kg   | Marine water            | 0,000372 mg/L |
|  | Intermittent | 0,0372 mg/L    | Sediment (Fresh water)  | 0,442 mg/kg   |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,0442 mg/kg  |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7  | STP          | 6,4 mg/L       | Fresh water             | 0,019 mg/L    |
|  | Soil         | 0,018 mg/kg    | Marine water            | 0,0019 mg/L   |
|  | Intermittent | 0,0142 mg/L    | Sediment (Fresh water)  | 0,15 mg/kg    |
|  | Oral         | 30,7 g/kg      | Sediment (Marine water) | 0,015 mg/kg   |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3                                    | STP          | 30 mg/L        | Fresh water             | 0,022 mg/L    |
|  | Soil         | 4,15 mg/kg     | Marine water            | 0,0022 mg/L   |
|  | Intermittent | 0,22 mg/L      | Sediment (Fresh water)  | 17,87 mg/kg   |
|  | Oral         | Non-applicable | Sediment (Marine water) | 1,787 mg/kg   |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4  | STP          | 10 mg/L        | Fresh water             | 0,2 mg/L      |
|  | Soil         | 0,327 mg/kg    | Marine water            | 0,02 mg/L     |
|  | Intermittent | 2 mg/L         | Sediment (Fresh water)  | 2,22 mg/kg    |
|  | Oral         | 7,8 g/kg       | Sediment (Marine water) | 0,222 mg/kg   |
| Citronellol<br>CAS: 106-22-9<br>EC: 203-375-0  | STP          | 580 mg/L       | Fresh water             | 0,0024 mg/L   |
|  | Soil         | 0,00371 mg/kg  | Marine water            | 0,00024 mg/L  |
|  | Intermittent | 0,024 mg/L     | Sediment (Fresh water)  | 0,0256 mg/kg  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,00256 mg/kg |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6  | STP          | 1,6 mg/L       | Fresh water             | 0,00678 mg/L  |
|  | Soil         | 0,0209 mg/kg   | Marine water            | 0,000678 mg/L |
|  | Intermittent | 0,0678 mg/L    | Sediment (Fresh water)  | 0,125 mg/kg   |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,0125 mg/kg  |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8 | STP          | 1,049 mg/L     | Fresh water             | 0,00204 mg/L  |
|  | Soil         | 0,0463 mg/kg   | Marine water            | 0,00024 mg/L  |
|  | Intermittent | 0,0204 mg/L    | Sediment (Fresh water)  | 0,0584 mg/kg  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,00584 mg/kg |

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.  
All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Non-applicable

D.- Ocular and facial protection

Non-applicable

E.- Body protection

Non-applicable

F.- Additional emergency measures

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Fresso Car Perfume Dark Delight



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 87,31 % weight                        |
| V.O.C. density at 20 °C:  | 705,89 kg/m <sup>3</sup> (705,89 g/L) |
| Average carbon number:    | 2,34                                  |
| Average molecular weight: | 51,2 g/mol                            |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |                  |
|--------------------------|------------------|
| Physical state at 20 °C: | Liquid           |
| Appearance:              | Fluid            |
| Colour:                  | Several          |
| Odour:                   | Pleasant         |
| Odour threshold:         | Non-applicable * |

**Volatility:**

|  |                    |
|--|--------------------|
| Boiling point at atmospheric pressure: | 84 °C              |
| Vapour pressure at 20 °C:              | 6426 Pa            |
| Vapour pressure at 50 °C:              | 224,97 (29,99 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *   |

**Product description:**

|  |                         |
|--|-------------------------|
| Density at 20 °C:                            | 808,5 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 0,808                   |
| Dynamic viscosity at 20 °C:                  | 1,24 cP                 |
| Kinematic viscosity at 20 °C:                | 1,54 cSt                |
| Kinematic viscosity at 40 °C:                | Non-applicable *        |
| Concentration:                               | Non-applicable *        |
| pH:  | Non-applicable *        |
| Vapour density at 20 °C:                     | Non-applicable *        |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *        |
| Solubility in water at 20 °C:                | Non-applicable *        |
| Solubility properties:                       | Non-applicable *        |
| Decomposition temperature:                   | Non-applicable *        |
| Melting point/freezing point:                | Non-applicable *        |
| Explosive properties:                        | Non-applicable *        |
| Oxidising properties:                        | Non-applicable *        |

**Flammability:**

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 13 °C            |
| Flammability (solid, gas): | Non-applicable * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**Fresso Car Perfume Dark Delight**



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

|                               |                  |
|-------------------------------|------------------|
| Autoignition temperature:     | 225 °C           |
| Lower flammability limit:     | Not available    |
| Upper flammability limit:     | Not available    |
| <b>Explosive:</b>             |                  |
| Lower explosive limit:        | Non-applicable * |
| Upper explosive limit:        | Non-applicable * |
| <b>9.2 Other information:</b> |                  |
| Surface tension at 20 °C:     | Non-applicable * |
| Refraction index:             | Non-applicable * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

**Fresso Car Perfume Dark Delight**



**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: Coumarin (3); Benzyl acetate (3); Propan-2-ol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

**F- Specific target organ toxicity (STOT) - single exposure:**

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification  | Acute toxicity  |                  | Genus  |
|---|-----------------|------------------|--------|
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | LD50 oral       | 4000 mg/kg       | Rat    |
|   | LD50 dermal     | 6400 mg/kg       | Rabbit |
|   | LC50 inhalation | 23,5 mg/L (4 h)  | Rat    |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | LD50 oral       | 5280 mg/kg       | Rat    |
|   | LD50 dermal     | 12800 mg/kg      | Rat    |
|   | LC50 inhalation | 72,6 mg/L (4 h)  | Rat    |
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | LD50 oral       | 6200 mg/kg       | Rat    |
|   | LD50 dermal     | 20000 mg/kg      | Rabbit |
|   | LC50 inhalation | 124,7 mg/L (4 h) | Rat    |
| 2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d]-1,3-dioxin<br>CAS: 27606-09-3<br>EC: 248-561-2   | LD50 oral       | 500 mg/kg (ATEi) |        |
|   | LD50 dermal     | Non-applicable   |        |
|   | LC50 inhalation | Non-applicable   |        |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9  | LD50 oral       | 4250 mg/kg       | Rat    |
|   | LD50 dermal     | Non-applicable   |        |
|   | LC50 inhalation | Non-applicable   |        |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | LD50 oral       | 5500 mg/kg       | Rat    |
|   | LD50 dermal     | Non-applicable   |        |
|   | LC50 inhalation | Non-applicable   |        |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7   | LD50 oral       | 500 mg/kg        | Rat    |
|   | LD50 dermal     | Non-applicable   |        |
|   | LC50 inhalation | Non-applicable   |        |

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Fresso Car Perfume Dark Delight



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification   | Acute toxicity  |                | Genus  |
|--|-----------------|----------------|--------|
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3                                    | LD50 oral       | 7400 mg/kg     | Rat    |
|  | LD50 dermal     | Non-applicable |        |
|  | LC50 inhalation | Non-applicable |        |
| Nopyl acetate<br>CAS: 128-51-8<br>EC: 204-891-9  | LD50 oral       | 2940 mg/kg     | Rat    |
|  | LD50 dermal     | Non-applicable |        |
|  | LC50 inhalation | Non-applicable |        |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4  | LD50 oral       | 3000 mg/kg     | Rat    |
|  | LD50 dermal     | 5610 mg/kg     | Rabbit |
|  | LC50 inhalation | Non-applicable |        |
| Citronellol<br>CAS: 106-22-9<br>EC: 203-375-0  | LD50 oral       | 3450 mg/kg     | Rat    |
|  | LD50 dermal     | 2650 mg/kg     |        |
|  | LC50 inhalation | Non-applicable |        |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6  | LD50 oral       | 4950 mg/kg     | Rat    |
|  | LD50 dermal     | 2250 mg/kg     | Rabbit |
|  | LC50 inhalation | Non-applicable |        |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8 | LD50 oral       | 1390 mg/kg     | Rat    |
|  | LD50 dermal     | Non-applicable |        |
|  | LC50 inhalation | Non-applicable |        |

Acute Toxicity Estimate (ATE mix):

| ATE mix    |                                     | Ingredient(s) of unknown toxicity |
|------------|-------------------------------------|-----------------------------------|
| Oral       | 37037,04 mg/kg (Calculation method) | 3,15 %                            |
| Dermal     | >2000 mg/kg (Calculation method)    | Non-applicable                    |
| Inhalation | >20 mg/L (4 h) (Calculation method) | Non-applicable                    |

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

| Identification   | Acute toxicity |                    | Species                         | Genus      |
|--|----------------|--------------------|---------------------------------|------------|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6   | LC50           | 11000 mg/L (96 h)  | Alburnus alburnus               | Fish       |
|  | EC50           | 9268 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|  | EC50           | 1450 mg/L (192 h)  | Microcystis aeruginosa          | Algae      |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8  | LC50           | 1.1 mg/L (96 h)    | Lepomis macrochirus             | Fish       |
|  | EC50           | 0.63 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|  | EC50           | 2.5 mg/L (96 h)    | Selenastrum capricornutum       | Algae      |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0  | LC50           | 3220 mg/L (96 h)   | Pimephales promelas             | Fish       |
|  | EC50           | 5091 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|  | EC50           | 4300 mg/L (168 h)  | Scenedesmus quadricauda         | Algae      |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7   | LC50           | 9640 mg/L (96 h)   | Pimephales promelas             | Fish       |
|  | EC50           | 13299 mg/L (48 h)  | Daphnia magna                   | Crustacean |
|  | EC50           | 1000 mg/L (72 h)   | Scenedesmus subspicatus         | Algae      |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9   | LC50           | 7.7 mg/L (96 h)    | Pimephales promelas             | Fish       |
|  | EC50           | Non-applicable     |                                 |            |
|  | EC50           | Non-applicable     |                                 |            |
| Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis-4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate<br>CAS: Non-applicable<br>EC: 939-728-7 | LC50           | 2.27 mg/L (96 h)   | Danio rerio                     | Fish       |
|  | EC50           | 4.6 mg/L (48 h)    | Daphnia magna                   | Crustacean |
|  | EC50           | 2.7 mg/L (72 h)    | Pseudokirchneriella subcapitata | Algae      |
| (z)-3,4,5,6,6-pentamethylhept-3-en-2-one<br>CAS: 81786-73-4<br>EC: 279-822-9   | LC50           | 1 - 10 mg/L (96 h) |                                 | Fish       |
|  | EC50           | 1 - 10 mg/L        |                                 | Crustacean |
|  | EC50           | 1 - 10 mg/L        |                                 | Algae      |

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Fresso Car Perfume Dark Delight



SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification   | Acute toxicity |                      | Species                 | Genus      |
|--|----------------|----------------------|-------------------------|------------|
| Geranyl acetate<br>CAS: 105-87-3<br>EC: 203-341-5                                      | LC50           | 10 - 100 mg/L (96 h) |                         | Fish       |
|  | EC50           | 10 - 100 mg/L        |                         | Crustacean |
|  | EC50           | 10 - 100 mg/L        |                         | Algae      |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7  | LC50           | Non-applicable       |                         |            |
|  | EC50           | 30 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50           | Non-applicable       |                         |            |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3                                    | LC50           | Non-applicable       |                         |            |
|  | EC50           | 42 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50           | Non-applicable       |                         |            |
| Nopyl acetate<br>CAS: 128-51-8<br>EC: 204-891-9  | LC50           | 1 - 10 mg/L (96 h)   |                         | Fish       |
|  | EC50           | 1 - 10 mg/L          |                         | Crustacean |
|  | EC50           | 1 - 10 mg/L          |                         | Algae      |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4  | LC50           | 27.8 mg/L (96 h)     | Oncorhynchus mykiss     | Fish       |
|  | EC50           | 59 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50           | 88.3 mg/L (96 h)     | Scenedesmus subspicatus | Algae      |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6  | LC50           | 6.1 mg/L (24 h)      | Oryzias latipes         | Fish       |
|  | EC50           | 11 mg/L (24 h)       | Daphnia magna           | Crustacean |
|  | EC50           | 16 mg/L (72 h)       | Scenedesmus subspicatus | Algae      |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8 | LC50           | 2 mg/L (96 h)        | Danio rerio             | Fish       |
|  | EC50           | 11 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50           | 29 mg/L (72 h)       | Desmodesmus subspicatus | Algae      |

12.2 Persistence and degradability:

| Identification   | Degradability |                | Biodegradability |                |
|--|---------------|----------------|------------------|----------------|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6   | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 14 days        |
|  | BOD5/COD      | 0.57           | % Biodegradable  | 89 %           |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8  | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 0 %            |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0  | BOD5          | 2.03 g O2/g    | Concentration    | Non-applicable |
|  | COD           | 2.31 g O2/g    | Period           | 20 days        |
|  | BOD5/COD      | 0.88           | % Biodegradable  | 89 %           |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7   | BOD5          | 1.19 g O2/g    | Concentration    | 100 mg/L       |
|  | COD           | 2.23 g O2/g    | Period           | 14 days        |
|  | BOD5/COD      | 0.53           | % Biodegradable  | 86 %           |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9   | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 80 %           |
| Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis-4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate<br>CAS: Non-applicable<br>EC: 939-728-7 | BOD5          | Non-applicable | Concentration    | 2 mg/L         |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 85 %           |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7  | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 14 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 100 %          |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4  | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | 0.55           | % Biodegradable  | 90 %           |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6  | BOD5          | 0.56 g O2/g    | Concentration    | 100 mg/L       |
|  | COD           | 1.99 g O2/g    | Period           | 28 days        |
|  | BOD5/COD      | 0.28           | % Biodegradable  | 92 %           |

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Fresso Car Perfume Dark Delight



SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification   | Degradability |                | Biodegradability |         |
|--|---------------|----------------|------------------|---------|
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8 | BOD5          | Non-applicable | Concentration    | 20 mg/L |
|  | COD           | Non-applicable | Period           | 28 days |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 81 %    |

12.3 Bioaccumulative potential:

| Identification  | Bioaccumulation potential |          |
|---|---------------------------|----------|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | BCF                       | 3        |
|   | Pow Log                   | -0.31    |
|   | Potential                 | Low      |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8   | BCF                       | 65       |
|   | Pow Log                   | 4.4      |
|   | Potential                 | Moderate |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | BCF                       | 3        |
|   | Pow Log                   | 0.29     |
|   | Potential                 | Low      |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | BCF                       | 3        |
|   | Pow Log                   | 0.05     |
|   | Potential                 | Low      |
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9  | BCF                       | 504      |
|   | Pow Log                   | 4.6      |
|   | Potential                 | High     |
| Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis- 4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate<br>CAS: Non-applicable<br>EC: 939-728-7 | BCF                       | 300      |
|   | Pow Log                   | 4.17     |
|   | Potential                 | High     |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7   | BCF                       | 10       |
|   | Pow Log                   | 1.39     |
|   | Potential                 | Low      |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3   | BCF                       | 10       |
|   | Pow Log                   |          |
|   | Potential                 | Low      |
| Linalool<br>CAS: 78-70-6<br>EC: 201-134-4   | BCF                       | 39       |
|   | Pow Log                   | 2.97     |
|   | Potential                 | Moderate |
| Citral<br>CAS: 5392-40-5<br>EC: 226-394-6   | BCF                       | 10       |
|   | Pow Log                   | 3.45     |
|   | Potential                 | Low      |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8  | BCF                       | 275      |
|   | Pow Log                   | 4.2      |
|   | Potential                 | High     |

12.4 Mobility in soil:

| Identification  | Absorption/desorption |                      | Volatility |                                 |
|---|-----------------------|----------------------|------------|---------------------------------|
| Ethanol<br>CAS: 64-17-5<br>EC: 200-578-6  | Koc                   | 1                    | Henry      | 4,61E-1 Pa·m <sup>3</sup> /mol  |
|   | Conclusion            | Very High            | Dry soil   | Yes                             |
|   | Surface tension       | 2,339E-2 N/m (25 °C) | Moist soil | Yes                             |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol<br>CAS: 28219-61-6<br>EC: 248-908-8 | Koc                   | 870                  | Henry      | Non-applicable                  |
|   | Conclusion            | Low                  | Dry soil   | Non-applicable                  |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable                  |
| 2-butanone<br>CAS: 78-93-3<br>EC: 201-159-0   | Koc                   | 30                   | Henry      | 5,77 Pa·m <sup>3</sup> /mol     |
|   | Conclusion            | Very High            | Dry soil   | Yes                             |
|   | Surface tension       | 2,396E-2 N/m (25 °C) | Moist soil | Yes                             |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7  | Koc                   | 1.5                  | Henry      | 8,207E-1 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Very High            | Dry soil   | Yes                             |
|   | Surface tension       | 2,24E-2 N/m (25 °C)  | Moist soil | Yes                             |

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**Fresso Car Perfume Dark Delight**



**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification  | Absorption/desorption |                      | Volatility |                              |
|---|-----------------------|----------------------|------------|------------------------------|
| Isononyl acetate<br>CAS: 58430-94-7<br>EC: 261-245-9  | Koc                   | 3724                 | Henry      | Non-applicable               |
|   | Conclusion            | Immobile             | Dry soil   | Non-applicable               |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable               |
| Reaction mass of cis-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and trans-1-methyl-1-(4-methylcyclohexyl) ethyl acetate and cis- 4-isopropyl-1-methylcyclohexyl acetate and trans-4-isopropyl-1-methylcyclohexyl acetate<br>CAS: Non-applicable<br>EC: 939-728-7 | Koc                   | 1644                 | Henry      | Non-applicable               |
|   | Conclusion            | Low                  | Dry soil   | Non-applicable               |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable               |
| Coumarin<br>CAS: 91-64-5<br>EC: 202-086-7   | Koc                   | 42                   | Henry      | Non-applicable               |
|   | Conclusion            | Very High            | Dry soil   | Non-applicable               |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable               |
| Isopentyl acetate<br>CAS: 123-92-2<br>EC: 204-662-3   | Koc                   | 70                   | Henry      | 59,78 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Very High            | Dry soil   | Non-applicable               |
|   | Surface tension       | 2,388E-2 N/m (25 °C) | Moist soil | Yes                          |
| 2-(4-tert-Butylbenzyl)propionaldehyde, Lysmeral extra<br>CAS: 80-54-6<br>EC: 201-289-8  | Koc                   | 1285                 | Henry      | 2,52 Pa·m <sup>3</sup> /mol  |
|   | Conclusion            | Low                  | Dry soil   | Yes                          |
|   | Surface tension       | Non-applicable       | Moist soil | Yes                          |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code      | Description  | Waste class (Regulation (EU) No 1357/2014) |
|-----------|--|--|
| 07 01 04* | other organic solvents, washing liquids and mother liquors | Dangerous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2019 and RID 2019:

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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1993  
**14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Ethanol; 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol)  
**14.3 Transport hazard class(es):** 3  
**Labels:** 3  
**14.4 Packing group:** II  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
Special regulations: 274, 640D  
Tunnel restriction code: D/E  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 38-16:



- 14.1 UN number:** UN1993  
**14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Ethanol; 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol)  
**14.3 Transport hazard class(es):** 3  
**Labels:** 3  
**14.4 Packing group:** II  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
Special regulations: 274  
EmS Codes: F-E, S-E  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L  
Segregation group: Non-applicable  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2019:



- 14.1 UN number:** UN1993  
**14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Ethanol; 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol)  
**14.3 Transport hazard class(es):** 3  
**Labels:** 3  
**14.4 Packing group:** II  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
Physico-Chemical properties: see section 9  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Ethanol.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

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**SECTION 15: REGULATORY INFORMATION (continued)**

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Ethanol (Product-type 1, 2, 4, 6) ; Propan-2-ol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------|-------------------------|-------------------------|
| P5c     |             | 5000                    | 50000                   |
| E2      |             | 200                     | 500                     |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Non-applicable

**Texts of the legislative phrases mentioned in section 2:**

H317: May cause an allergic skin reaction

H411: Toxic to aquatic life with long lasting effects

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 2: H225 - Highly flammable liquid and vapour

Flam. Liq. 3: H226 - Flammable liquid and vapour

Repr. 2: H361 - Suspected of damaging fertility or the unborn child

Skin Irrit. 2: H315 - Causes skin irritation

Skin Sens. 1: H317 - May cause an allergic skin reaction

Skin Sens. 1B: H317 - May cause an allergic skin reaction

STOT SE 3: H336 - May cause drowsiness or dizziness

**Classification procedure:**

Skin Sens. 1B: Calculation method

Aquatic Chronic 2: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Eye Irrit. 2: Calculation method

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

- CONTINUED ON NEXT PAGE -



**Fresso Car Perfume Dark Delight**



**SECTION 16: OTHER INFORMATION (continued)**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon