

Scented Wooden Hanger Fresso Sugar Love



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

- 1.1 Product identifier:** Scented Wooden Hanger Fresso Sugar Love
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Air freshener
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
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning

Hazard statements:
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Eye Irrit. 2: H319 - Causes serious eye irritation
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1A: 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
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
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
P337+P313: If eye irritation persists: Get medical advice/attention
P501: Dispose of contents/container according to the separated collection system used in your municipality

Supplementary information:
EUH208: Contains (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one, (ethoxymethoxy)cyclododecane, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 3,7-dimethyloctan-3-ol, 3-p-cumenyl-2-methylpropionaldehyde, 4-tert-butylcyclohexyl acetate, Benzyl salicylate, Cedryl methyl ketone, Cinnamyl alcohol, Citral, Citronellol, d-limonene, Geranyl acetate, Hexyl salicylate, Linalool, Linalyl acetate, Para-anisyl propanal, Piperonal. May produce an allergic reaction
Substances that contribute to the classification
Damascenone (CAS: 23696-85-7)
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Perfume/s

Components:

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

| Identification | Chemical name/Classification | Concentration |
|---|---|---------------|
| CAS: 54464-57-2 EC: 259-174-3 Index: Non-applicable REACH: Non-applicable | 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | 10 - 15 % |
| CAS: 32210-23-4 EC: 250-954-9 Index: Non-applicable REACH: 01-2119976286-24-XXXX | 4-tert-butylcyclohexyl acetate⁽¹⁾ Self-classified Regulation 1272/2008 Skin Sens. 1B: H317 - Warning | 7,5 - 10 % |
| CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42-XXXX | Linalool⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | 5 -7,5 % |
| CAS: 28219-61-6 EC: 248-908-8 Index: Non-applicable REACH: 01-2119529224-45-XXXX | 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319 - Warning | 5 -7,5 % |
| CAS: 63500-71-0 EC: 405-040-6 Index: 603-101-00-3 REACH: 01-2119455547-30-XXXX | Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning | 5 -7,5 % |
| CAS: 118-58-1 EC: 204-262-9 Index: Non-applicable REACH: 01-2119969442-31-XXXX | Benzyl salicylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning | 5 -7,5 % |
| CAS: 121-32-4 EC: 204-464-7 Index: Non-applicable REACH: 01-2119958961-24-XXXX | 3-ethoxy-4-hydroxybenzaldehyde⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning | 2,5 - 5 % |
| CAS: 121-33-5 EC: 204-465-2 Index: Non-applicable REACH: 01-2119516040-60-XXXX | Vanillin⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning | 2,5 - 5 % |
| CAS: 6259-76-3 EC: 228-408-6 Index: Non-applicable REACH: 01-2119638275-36-XXXX | Hexyl salicylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning | 2,5 - 5 % |
| CAS: 78-69-3 EC: 201-133-9 Index: Non-applicable REACH: 01-2119454788-21-XXXX | 3,7-dimethyloctan-3-ol⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | 2,5 - 5 % |
| CAS: 115-95-7 EC: 204-116-4 Index: Non-applicable REACH: 01-2119454789-19-XXXX | Linalyl acetate⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning | 2,5 - 5 % |
| CAS: 18479-58-8 EC: 242-362-4 Index: Non-applicable REACH: 01-2119457274-37-XXXX | 2,6-dimethyloct-7-en-2-ol⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | 1 – 2,5 % |
| CAS: 32388-55-9 EC: 251-020-3 Index: Non-applicable REACH: 01-2119969651-28-XXXX | Cedryl methyl ketone⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning | 0,5 - 1 % |
| CAS: 105-87-3 EC: 203-341-5 Index: Non-applicable REACH: 01-2119973480-35-XXXX | Geranyl acetate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning | 0,5 - 1 % |
| CAS: 58567-11-6 EC: 261-332-1 Index: Non-applicable REACH: 01-2119971571-34-XXXX | (ethoxymethoxy)cyclododecane⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | 0,5 - 1 % |

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification | Chemical name/Classification | | Concentration |
|---|--|---|---------------|
| CAS: 120-57-0 EC: 204-409-7 Index: Non-applicable REACH: 01-2119983608-21-XXXX | Piperonal ⁽¹⁾ Self-classified | | 0,5 - 1 % |
| | Regulation 1272/2008 | Skin Sens. 1B: H317 - Warning | |
| CAS: 5462-06-6 EC: 226-749-5 Index: Non-applicable REACH: 01-2120629103-67-XXXX | Para-anisyl propanal ⁽¹⁾ Self-classified | | 0,5 - 1 % |
| | Regulation 1272/2008 | Skin Sens. 1B: H317 - Warning | |
| CAS: 5989-27-5 EC: 227-813-5 Index: 601-029-00-7 REACH: 01-2119529223-47-XXXX | d-limonene ⁽¹⁾ ATP CLP00 | | 0,5 - 1 % |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning | |
| CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: 01-2119462829-23-XXXX | Citral ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | |
| CAS: 106-22-9 EC: 203-375-0 Index: Non-applicable REACH: 01-2119453995-23-XXXX | Citronellol ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | |
| CAS: 103-95-7 EC: 203-161-7 Index: Non-applicable REACH: 01-2119970582-32-XXXX | 3-p-cumenyl-2-methylpropionaldehyde ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | |
| CAS: 24720-09-0 EC: 246-430-4 Index: Non-applicable REACH: 01-2120105799-47-XXXX | (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Acute Tox. 4: H302; Skin Sens. 1B: H317 - Warning | |
| CAS: 23696-85-7 EC: 245-833-2 Index: Non-applicable REACH: Non-applicable | Damascenone ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning | |
| CAS: 104-54-1 EC: 203-212-3 Index: Non-applicable REACH: 01-2119934496-29-XXXX | Cinnamyl alcohol ⁽¹⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Skin Sens. 1B: H317 - Warning | |

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

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

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 does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or 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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of 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:

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SECTION 4: FIRST AID MEASURES (continued)

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

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:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

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SECTION 7: HANDLING AND STORAGE (continued)

Maximum time: 12 Months

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

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|----------------|-------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Linalool CAS: 78-70-6 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 ³ | Non-applicable | 2,8 mg/m ³ | Non-applicable |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 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 ³ | Non-applicable | 7 mg/m ³ | Non-applicable |
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 3,47 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 12,2 mg/m ³ | Non-applicable |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,9 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 3,17 mg/m ³ | Non-applicable |
| Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | 20830 mg/kg | Non-applicable | 20830 mg/kg | Non-applicable |
| | Inhalation | 7,29 mg/m ³ | Non-applicable | 7,29 mg/m ³ | Non-applicable |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,75 mg/m ³ | Non-applicable |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,75 mg/m ³ | Non-applicable |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 20,8 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 73,5 mg/m ³ | Non-applicable |
| Cedryl methyl ketone CAS: 32388-55-9 EC: 251-020-3 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,333 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,175 mg/m ³ | Non-applicable |
| Geranyl acetate CAS: 105-87-3 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 ³ | Non-applicable |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 3,3 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 23,5 mg/m ³ | Non-applicable |
| Piperonal CAS: 120-57-0 EC: 204-409-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 3,5 mg/m ³ | Non-applicable |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|----------------------|---------------------------|----------------------|
| | | Systemic | Local | Systemic | Local |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 33,3 mg/m ³ | Non-applicable |
| Citral CAS: 5392-40-5 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 ³ | Non-applicable |
| Citronellol CAS: 106-22-9 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 ³ | 161,6 mg/m ³ | 10 mg/m ³ |
| 3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 5,83 mg/m ³ | Non-applicable |
| Cinnamyl alcohol CAS: 104-54-1 EC: 203-212-3 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,997657895 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,27733 mg/m ³ | Non-applicable |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|----------------|-------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Linalool CAS: 78-70-6 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 ³ | Non-applicable | 0,7 mg/m ³ | Non-applicable |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 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 ³ | Non-applicable | 1,5 mg/m ³ | Non-applicable |
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | Oral | Non-applicable | Non-applicable | 1,04 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2,08 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 3,62 mg/m ³ | Non-applicable |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | Oral | Non-applicable | Non-applicable | 0,45 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,45 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,78 mg/m ³ | Non-applicable |
| Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6 | Oral | 1,25 mg/kg | Non-applicable | 0,625 mg/kg | Non-applicable |
| | Dermal | 12500 mg/kg | Non-applicable | 12500 mg/kg | Non-applicable |
| | Inhalation | 2,19 mg/m ³ | Non-applicable | 2,19 mg/m ³ | Non-applicable |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | Oral | Non-applicable | Non-applicable | 0,2 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,68 mg/m ³ | Non-applicable |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | Oral | Non-applicable | Non-applicable | 0,2 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,68 mg/m ³ | Non-applicable |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | Oral | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 21,7 mg/m ³ | Non-applicable |
| Cedryl methyl ketone CAS: 32388-55-9 EC: 251-020-3 | Oral | Non-applicable | Non-applicable | 0,166 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,166 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,289 mg/m ³ | Non-applicable |
| Geranyl acetate CAS: 105-87-3 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 ³ | Non-applicable |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | Oral | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 5,8 mg/m ³ | Non-applicable |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|----------------------|--------------------------|----------------------|
| | | Systemic | Local | Systemic | Local |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | Oral | Non-applicable | Non-applicable | 4,76 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 8,33 mg/m ³ | Non-applicable |
| Citral CAS: 5392-40-5 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 ³ | Non-applicable |
| Citronellol CAS: 106-22-9 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 ³ | 47,8 mg/m ³ | 10 mg/m ³ |
| 3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7 | Oral | Non-applicable | Non-applicable | 0,83 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,83 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,45 mg/m ³ | Non-applicable |
| Cinnamyl alcohol CAS: 104-54-1 EC: 203-212-3 | Oral | Non-applicable | Non-applicable | 3,995315789 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,492608696 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,5665 mg/m ³ | Non-applicable |

PNEC:

| Identification | | | | | |
|---|--------------|----------------|-------------------------|--|----------------|
| 4-tert-butylcyclohexyl acetate CAS: 32210-23-4 EC: 250-954-9 | STP | 12,2 mg/L | Fresh water | | 0,0053 mg/L |
| | Soil | 0,42 mg/kg | Marine water | | 0,00053 mg/L |
| | Intermittent | 0,053 mg/L | Sediment (Fresh water) | | 2,01 mg/kg |
| | Oral | 66,67 g/kg | Sediment (Marine water) | | 0,21 mg/kg |
| Linalool CAS: 78-70-6 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 |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 EC: 248-908-8 | STP | 1 mg/L | Fresh water | | 0,00063 mg/L |
| | Soil | 0,00839 mg/kg | Marine water | | 0,000063 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | | 0,04379 mg/kg |
| | Oral | 1 g/kg | Sediment (Marine water) | | Non-applicable |
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | STP | 10 mg/L | Fresh water | | 0,094 mg/L |
| | Soil | 0,0902 mg/kg | Marine water | | 0,0094 mg/L |
| | Intermittent | 0,94 mg/L | Sediment (Fresh water) | | 0,412 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | | 0,0412 mg/kg |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | STP | 10 mg/L | Fresh water | | 0,00103 mg/L |
| | Soil | 0,021 mg/kg | Marine water | | 0,000103 mg/L |
| | Intermittent | 0,0103 mg/L | Sediment (Fresh water) | | 0,584 mg/kg |
| | Oral | 80 g/kg | Sediment (Marine water) | | 0,0584 mg/kg |
| 3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7 | STP | 10 mg/L | Fresh water | | 0,118 mg/L |
| | Soil | 2,923 mg/kg | Marine water | | 0,0118 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | | 15 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | | 1,5 mg/kg |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | STP | 10 mg/L | Fresh water | | 0,118 mg/L |
| | Soil | 11,54 mg/kg | Marine water | | Non-applicable |
| | Intermittent | Non-applicable | Sediment (Fresh water) | | 58,22 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | | 5,822 mg/kg |
| Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6 | STP | 10 mg/L | Fresh water | | 0,000357 mg/L |
| | Soil | 0,0542 mg/kg | Marine water | | 0,0000357 mg/L |
| | Intermittent | 0,00357 mg/L | Sediment (Fresh water) | | 0,272 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | | 0,0272 mg/kg |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|--------------|----------------|-------------------------|-------------------|
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | STP | 450 mg/L | Fresh water | 0,0089 mg/L |
| | Soil | 0,0112 mg/kg | Marine water | 0,00089 mg/L |
| | Intermittent | 0,089 mg/L | Sediment (Fresh water) | 0,0821 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,00821 mg/kg |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | STP | 10 mg/L | Fresh water | 0,011 mg/L |
| | Soil | 0,115 mg/kg | Marine water | 0,0011 mg/L |
| | Intermittent | 0,11 mg/L | Sediment (Fresh water) | 0,609 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0609 mg/kg |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | STP | 10 mg/L | Fresh water | 0,0278 mg/L |
| | Soil | 0,103 mg/kg | Marine water | 0,00278 mg/L |
| | Intermittent | 0,278 mg/L | Sediment (Fresh water) | 0,594 mg/kg |
| | Oral | 111 g/kg | Sediment (Marine water) | 0,0594 mg/kg |
| Cedryl methyl ketone CAS: 32388-55-9 EC: 251-020-3 | STP | 10 mg/L | Fresh water | 0,00174 mg/L |
| | Soil | 4,87 mg/kg | Marine water | 0,000174 mg/L |
| | Intermittent | 0,0086 mg/L | Sediment (Fresh water) | 24,4 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 2,44 mg/kg |
| Geranyl acetate CAS: 105-87-3 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 |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | STP | 100 mg/L | Fresh water | 0,0016 mg/L |
| | Soil | 0,468 mg/kg | Marine water | 0,00016 mg/L |
| | Intermittent | 0,016 mg/L | Sediment (Fresh water) | 2,35 mg/kg |
| | Oral | 33,3 g/kg | Sediment (Marine water) | 0,235 mg/kg |
| Piperonal CAS: 120-57-0 EC: 204-409-7 | STP | 10 mg/L | Fresh water | 0,0025 mg/L |
| | Soil | 0,00084 mg/kg | Marine water | 0,00025 mg/L |
| | Intermittent | 0,025 mg/L | Sediment (Fresh water) | 0,0119 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0012 mg/kg |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | STP | 1,8 mg/L | Fresh water | 0,0054 mg/L |
| | Soil | 0,262 mg/kg | Marine water | 0,00054 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | 1,32 mg/kg |
| | Oral | 3,33 g/kg | Sediment (Marine water) | 0,13 mg/kg |
| Citral CAS: 5392-40-5 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 |
| Citronellol CAS: 106-22-9 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 |
| 3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7 | STP | 1 mg/L | Fresh water | 0,00109 mg/L |
| | Soil | 0,01936 mg/kg | Marine water | 0,00011 mg/L |
| | Intermittent | 0,01092 mg/L | Sediment (Fresh water) | 0,00598 mg/kg |
| | Oral | 33,3 g/kg | Sediment (Marine water) | 0,0006 mg/kg |
| Cinnamyl alcohol CAS: 104-54-1 EC: 203-212-3 | STP | 16,127 mg/L | Fresh water | 0,109 mg/L |
| | Soil | 0,185 mg/kg | Marine water | 0,0109 mg/L |
| | Intermittent | 1,09 mg/L | Sediment (Fresh water) | 220,1880224 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 220,1880224 mg/kg |

8.2 Exposure controls:

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

- CONTINUED ON NEXT PAGE -

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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

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): | 16,5 % weight |
| V.O.C. density at 20 °C: | 169,24 kg/m ³ (169,24 g/L) |
| Average carbon number: | 10 |
| Average molecular weight: | 154,17 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: | Solid |
| Appearance: | Liquid impregnated into a solid support |
| Colour: | Several |
| Odour: | Pleasant |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|------------------|
| Boiling point at atmospheric pressure: | Non-applicable * |
| Vapour pressure at 20 °C: | Non-applicable * |
| Vapour pressure at 50 °C: | Non-applicable * |
| Evaporation rate at 20 °C: | Non-applicable * |

Product description:

| | |
|-------------------------------|--------------------------|
| Density at 20 °C: | 1025,7 kg/m ³ |
| Relative density at 20 °C: | 1,026 |
| Dynamic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 40 °C: | >20,5 cSt |
| Concentration: | Non-applicable * |

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|------------------|
| 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: | Non-applicable |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 225 °C |
| Lower flammability limit: | Non-applicable * |
| Upper flammability limit: | Non-applicable * |

Explosive:

| | |
|------------------------|------------------|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |

9.2 Other information:

| | |
|---------------------------|------------------|
| 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 | Precaution | Precaution | 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 (CO₂), 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:

- CONTINUED ON NEXT PAGE -

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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):

- Contact with the skin: Produces skin inflammation.
- 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: d-limonene (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, as it does not 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, as it does not contain substances classified as dangerous for this effect. 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: 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.

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 |
|---|-----------------|----------------|--------|
| Linalool CAS: 78-70-6 EC: 201-134-4 | LD50 oral | 3000 mg/kg | Rat |
| | LD50 dermal | 5610 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | LD50 oral | 2200 mg/kg | Rat |
| | LD50 dermal | 14150 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | LD50 oral | 14500 mg/kg | Rat |
| | LD50 dermal | 5610 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | LD50 oral | 4400 mg/kg | Rat |
| | LD50 dermal | 5100 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|-----------------|----------------|--------|
| 4-tert-butylcyclohexyl acetate CAS: 32210-23-4 EC: 250-954-9 | LD50 oral | 3370 mg/kg | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 EC: 248-908-8 | LD50 oral | 5500 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| 3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7 | LD50 oral | 3000 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | LD50 oral | 3500 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6 | LD50 oral | 5500 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | LD50 oral | 3600 mg/kg | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Piperonal CAS: 120-57-0 EC: 204-409-7 | LD50 oral | 2700 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Para-anisyl propanal CAS: 5462-06-6 EC: 226-749-5 | LD50 oral | 4500 mg/kg | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Citral CAS: 5392-40-5 EC: 226-394-6 | LD50 oral | 4950 mg/kg | Rat |
| | LD50 dermal | 2250 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Citronellol CAS: 106-22-9 EC: 203-375-0 | LD50 oral | 3450 mg/kg | Rat |
| | LD50 dermal | 2650 mg/kg | |
| | LC50 inhalation | Non-applicable | |
| 3-p-cumenyl-2-methylpropionaldehyde CAS: 103-95-7 EC: 203-161-7 | LD50 oral | 3810 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one CAS: 24720-09-0 EC: 246-430-4 | LD50 oral | 1670 mg/kg | Rat |
| | LD50 dermal | 2900 mg/kg | |
| | LC50 inhalation | Non-applicable | |
| Cinnamyl alcohol CAS: 104-54-1 EC: 203-212-3 | LD50 oral | 2500 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |

Acute Toxicity Estimate (ATE mix):

| ATE mix | | Ingredient(s) of unknown toxicity |
|------------|------------------------------------|-----------------------------------|
| Oral | >2000 mg/kg (Calculation method) | Non-applicable |
| Dermal | >2000 mg/kg (Calculation method) | Non-applicable |
| Inhalation | >5 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:

- CONTINUED ON NEXT PAGE -

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Species | Genus |
|---|----------------|----------------------|---------------------------|------------|
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one CAS: 54464-57-2 EC: 259-174-3 | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | 0.1 - 1 mg/L | | Crustacean |
| | EC50 | 0.1 - 1 mg/L | | Algae |
| Linalool CAS: 78-70-6 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 |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 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 |
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | LC50 | Non-applicable | | |
| | EC50 | 320 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Non-applicable | | |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | LC50 | 1.03 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | 1.2 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 1.3 mg/L (72 h) | Selenastrum capricornutum | Algae |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | LC50 | 57 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | Non-applicable | | |
| | EC50 | Non-applicable | | |
| Hexyl salicylate CAS: 6259-76-3 EC: 228-408-6 | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | 0.1 - 1 mg/L | | Crustacean |
| | EC50 | 0.1 - 1 mg/L | | Algae |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | LC50 | 8.9 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | 14.2 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 21.6 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | LC50 | 11 mg/L (96 h) | Cyprinus carpio | Fish |
| | EC50 | 15 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 62 mg/L (72 h) | Desmodesmus subspicatus | Algae |
| Cedryl methyl ketone CAS: 32388-55-9 EC: 251-020-3 | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | 0.1 - 1 mg/L | | Crustacean |
| | EC50 | 0.1 - 1 mg/L | | Algae |
| Geranyl acetate CAS: 105-87-3 EC: 203-341-5 | LC50 | 10 - 100 mg/L (96 h) | | Fish |
| | EC50 | 10 - 100 mg/L | | Crustacean |
| | EC50 | 10 - 100 mg/L | | Algae |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | LC50 | 1.9 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | 1.6 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 53 mg/L (96 h) | Scenedesmus subspicatus | Algae |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | LC50 | 0.702 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 0.577 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Non-applicable | | |
| Citral CAS: 5392-40-5 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 |
| Damascenone CAS: 23696-85-7 EC: 245-833-2 | LC50 | 1 - 10 mg/L (96 h) | | Fish |
| | EC50 | 1 - 10 mg/L | | Crustacean |
| | EC50 | 1 - 10 mg/L | | Algae |

12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|----------|
| Linalool CAS: 78-70-6 EC: 201-134-4 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | 0.55 | % Biodegradable | 90 % |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 EC: 248-908-8 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 0 % |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|---|---------------|--------------------------|------------------|----------------|
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | BOD5 | Non-applicable | Concentration | 10 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 10 % |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 93 % |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 14 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 97 % |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 61 % |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | BOD5 | Non-applicable | Concentration | 81 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 80 % |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | BOD5 | Non-applicable | Concentration | 10 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 72 % |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | BOD5 | Non-applicable | Concentration | 10 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 5 % |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 100 % |
| Citral CAS: 5392-40-5 EC: 226-394-6 | BOD5 | 0.56 g O ₂ /g | Concentration | 100 mg/L |
| | COD | 1.99 g O ₂ /g | Period | 28 days |
| | BOD5/COD | 0.28 | % Biodegradable | 92 % |

12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|---|---------------------------|----------|
| Linalool CAS: 78-70-6 EC: 201-134-4 | BCF | 39 |
| | Pow Log | 2.97 |
| | Potential | Moderate |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 EC: 248-908-8 | BCF | 65 |
| | Pow Log | 4.4 |
| | Potential | Moderate |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | BCF | 311 |
| | Pow Log | 4 |
| | Potential | High |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | BCF | 6 |
| | Pow Log | 1.37 |
| | Potential | Low |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | BCF | 99 |
| | Pow Log | 3.6 |
| | Potential | Moderate |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | BCF | 174 |
| | Pow Log | 3.9 |
| | Potential | High |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | BCF | 660 |
| | Pow Log | 4.83 |
| | Potential | High |
| Citral CAS: 5392-40-5 EC: 226-394-6 | BCF | 10 |
| | Pow Log | 3.45 |
| | Potential | Low |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|-----------------------|-------------------------|------------|---------------------------------|
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol CAS: 28219-61-6 EC: 248-908-8 | Koc | 870 | Henry | Non-applicable |
| | Conclusion | Low | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |
| Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) CAS: 63500-71-0 EC: 405-040-6 | Koc | 42 | Henry | 1,71E-3 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | No |
| | Surface tension | Non-applicable | Moist soil | No |
| Benzyl salicylate CAS: 118-58-1 EC: 204-262-9 | Koc | 5600 | Henry | Non-applicable |
| | Conclusion | Immobile | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |
| 3-ethoxy-4-hydroxybenzaldehyde CAS: 121-32-4 EC: 204-464-7 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 1,87E-2 N/m (276,18 °C) | Moist soil | Non-applicable |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | Koc | 130 | Henry | 2,128E-4 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | No |
| | Surface tension | Non-applicable | Moist soil | No |
| 3,7-dimethyloctan-3-ol CAS: 78-69-3 EC: 201-133-9 | Koc | 56 | Henry | 5,54 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2,678E-2 N/m (25 °C) | Moist soil | Yes |
| Linalyl acetate CAS: 115-95-7 EC: 204-116-4 | Koc | 518 | Henry | 177 Pa·m ³ /mol |
| | Conclusion | Low | Dry soil | Yes |
| | Surface tension | Non-applicable | Moist soil | Yes |
| (ethoxymethoxy)cyclododecane CAS: 58567-11-6 EC: 261-332-1 | Koc | 14600 | Henry | Non-applicable |
| | Conclusion | Immobile | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |
| d-limonene CAS: 5989-27-5 EC: 227-813-5 | Koc | 6324 | Henry | 2533,13 Pa·m ³ /mol |
| | Conclusion | Immobile | Dry soil | Yes |
| | Surface tension | 2,675E-2 N/m (25 °C) | 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, 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

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SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:



- | | |
|---|--|
| 14.1 UN number: | UN3077 |
| 14.2 UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one) |
| 14.3 Transport hazard class(es): | 9 |
| Labels: | 9 |
| 14.4 Packing group: | III |
| 14.5 Environmental hazards: | Yes |
| 14.6 Special precautions for user | |
| Special regulations: | 274, 335, 375, 601 |
| Tunnel restriction code: | Non-applicable |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 kg |
| 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: | UN3077 |
| 14.2 UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one) |
| 14.3 Transport hazard class(es): | 9 |
| Labels: | 9 |
| 14.4 Packing group: | III |
| 14.5 Environmental hazards: | Yes |
| 14.6 Special precautions for user | |
| Special regulations: | 335, 966, 274, 967, 969 |
| EmS Codes: | F-A, S-F |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 kg |
| 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: | UN3077 |
| 14.2 UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one) |
| 14.3 Transport hazard class(es): | 9 |
| Labels: | 9 |
| 14.4 Packing group: | III |
| 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:

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

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SECTION 15: REGULATORY INFORMATION (continued)

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

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

Article 95, REGULATION (EU) No 528/2012: Non-applicable

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 |
|---------|-------------|-------------------------|-------------------------|
| 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

H315: Causes skin irritation

H411: Toxic to aquatic life with long lasting effects

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. 3: H226 - Flammable liquid and vapour

Skin Irrit. 2: H315 - Causes skin irritation

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

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

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

Classification procedure:

Skin Sens. 1A: Calculation method

Skin Irrit. 2: Calculation method

Aquatic Chronic 2: Calculation method

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:

<http://echa.europa.eu>

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

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SECTION 16: OTHER INFORMATION (continued)

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