


piece of Art CHERRY

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

- 1.1 Product identifier:** piece of Art CHERRY
Other means of identification:
UFI: 9HW0-002W-000U-FEQP
- 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:**
 MB ELIX sp. z oo sp.k.
 ul. Skarżyńskiego 26
 54-530 Wrocław - Poland
 Phone: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
 lab@elix.pl
 www.elixscent.com
- 1.4 Emergency telephone number:** 0048 71 387 85 33 (8.00-16.00)

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 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
 Labelling of packages where the contents do not exceed 125 ml:
Warning
- 
- Hazard statements:**
 H317 - May cause an allergic skin reaction.
 H412 - Harmful to aquatic life with long lasting effects.
- Precautionary statements:**
 P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P501: Dispose of contents/container according to the separated collection system used in your municipality.
- Supplementary information:**
 Contains ethyl 2,3-epoxy-3-phenylbutyrate.
UFI: 9HW0-002W-000U-FEQP
- 2.3 Other hazards:**
 Product does not meet PBT/vPvB criteria
 Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
 Non-applicable
- 3.2 Mixture:**
Chemical description: Mixture composed of chemical products
Components:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

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

| Identification | Chemical name/Classification | Concentration |
|---|---|---------------|
| CAS: 100-52-7 EC: 202-860-4 Index: 605-012-00-5 REACH: 01-2119455540-44-XXXX | benzaldehyde⁽¹⁾ ATP CLP00 | 10 - <15 % |
| | Regulation 1272/2008 Acute Tox. 4: H302 - Warning | |
| CAS: 121-33-5 EC: 204-465-2 Index: Non-applicable REACH: 01-2119516040-60-XXXX | Vanillin⁽¹⁾ Self-classified | 2 - <3 % |
| | Regulation 1272/2008 Eye Irrit. 2: H319 - Warning | |
| CAS: 104-21-2 EC: 203-185-8 Index: Non-applicable REACH: 01-2120104878-50-XXXX | Anisyl acetate⁽¹⁾ Self-classified | 2 - <3 % |
| | Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | |
| CAS: 77-83-8 EC: 201-061-8 Index: Non-applicable REACH: 01-2119967770-28-xxxx | Ethyl 2,3-epoxy-3-phenylbutyrate⁽¹⁾ Self-classified | 1 - <2 % |
| | Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning | |
| CAS: 1222-05-5 EC: 214-946-9 Index: 603-212-00-7 REACH: 01-2119488227-29-XXXX | 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran⁽¹⁾ ATP ATP01 | 0,1 - <0,25 % |
| | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning | |

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification | Acute toxicity | | Genus |
|----------------|-------------------|--------------|-------|
| | LD50 oral | LD50 dermal | |
| benzaldehyde | 1430 mg/kg (ATEi) | Not relevant | Rat |
| CAS: 100-52-7 | LD50 dermal | Not relevant | |
| EC: 202-860-4 | LC50 inhalation | Not relevant | |

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:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

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:

Not relevant

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

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:

For non-emergency personnel:

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

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

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

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

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SECTION 7: HANDLING AND STORAGE (continued)

A.- Technical measures for storage

Minimum Temp.: 5 °C
Maximum Temp.: 35 °C
Maximum time: 36 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 (European OEL, not country-specific legislation):

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

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|--------------|-------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 1,14 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 9,8 mg/m ³ | 9,8 mg/m ³ |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,7 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 2,468 mg/m ³ | Not relevant |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,7 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 2,45 mg/m ³ | Not relevant |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 36,7 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 13,5 mg/m ³ | Not relevant |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|--------------|------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | Oral | Not relevant | Not relevant | 0,67 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,67 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 4,9 mg/m ³ | 4,9 mg/m ³ |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | Oral | Not relevant | Not relevant | 0,25 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,25 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,37 mg/m ³ | Not relevant |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | Oral | Not relevant | Not relevant | 0,35 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,35 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,61 mg/m ³ | Not relevant |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9 | Oral | Not relevant | Not relevant | 2,3 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 22 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 4 mg/m ³ | Not relevant |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|--------------|--------------|-------------------------|--------------|
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | STP | 7,59 mg/L | Fresh water | 0 mg/L |
| | Soil | 0,001 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,011 mg/L | Sediment (Fresh water) | 0,004 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0 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 | 0,012 mg/L |
| | Intermittent | Not relevant | Sediment (Fresh water) | 58,22 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 5,822 mg/kg |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | STP | 0,2 mg/L | Fresh water | 0,013 mg/L |
| | Soil | 0,028 mg/kg | Marine water | 0,001 mg/L |
| | Intermittent | 0,131 mg/L | Sediment (Fresh water) | 0,18 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,018 mg/kg |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | STP | 10 mg/L | Fresh water | 0,008 mg/L |
| | Soil | 0,038 mg/kg | Marine water | 0,0084 mg/L |
| | Intermittent | 0,084 mg/L | Sediment (Fresh water) | 0,214 mg/kg |
| | Oral | 0,0233 g/kg | Sediment (Marine water) | 0,021 mg/kg |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9 | STP | 1 mg/L | Fresh water | 0,0068 mg/L |
| | Soil | 1,5 mg/kg | Marine water | 0,00044 mg/L |
| | Intermittent | Not relevant | Sediment (Fresh water) | 2 mg/kg |
| | Oral | 20,4 g/kg | Sediment (Marine water) | 0,394 mg/kg |

8.2 Exposure controls:



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. 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


| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|--|---|-------------------|--|
|  Mandatory hand protection | Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.5 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|---------------------------------|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002 EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |


E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|---------------|---|--------------|---|
| | Work clothing |  | | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|----------------------|---|-------------------|---|
| | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007 |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

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

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: | Compact |
| Colour: | Pink |
| Odour: | Pleasant |
| Odour threshold: | Not relevant * |

Volatility:

| | |
|--|----------------|
| Boiling point at atmospheric pressure: | Not relevant * |
| Vapour pressure at 20 °C: | Not relevant * |
| Vapour pressure at 50 °C: | Not relevant * |
| Evaporation rate at 20 °C: | Not relevant * |

Product description:

| | |
|--|--------------------------|
| Density at 20 °C: | 1314,9 kg/m ³ |
| Relative density at 20 °C: | 1,315 |
| Dynamic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Vapour density at 20 °C: | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C: | Not relevant * |
| Solubility properties: | Not relevant * |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |

Flammability:

| | |
|----------------------------|----------------|
| Flash Point: | Non-applicable |
| Flammability (solid, gas): | Not relevant * |

*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)

| | |
|----------------------------------|----------------|
| Autoignition temperature: | 192 °C |
| Lower flammability limit: | Not relevant * |
| Upper flammability limit: | Not relevant * |
| Explosive (Solid): | |
| Lower explosive limit: | Not relevant * |
| Upper explosive limit: | Not relevant * |
| Particle characteristics: | |
| Median equivalent diameter: | Not relevant * |

9.2 Other information:

Information with regard to physical hazard classes:

| | |
|--|----------------|
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

Other safety characteristics:

| | |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index: | Not relevant * |

*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 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated 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 | Not applicable | Not applicable | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Not applicable | 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 hazard classes as defined in Regulation (EC) No 1272/2008:

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:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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 hazardous 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 hazardous 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 hazardous for this effect. For more information see section 3.

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

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

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 hazardous for the effects mentioned. For more information see section 3.
IARC: Benzyl acetate (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous 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 hazardous 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 hazardous with sensitising effects. For more information see section 3.
- Skin: 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 hazardous 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 hazardous 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 hazardous 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 hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|--|-------------------|-------------|-------|
| | LD50 oral | LD50 dermal | |
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | 1430 mg/kg (ATEi) | | Rat |
| | | | |
| | | | |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | 3500 mg/kg | | Rat |
| | | | |
| | | | |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | >5000 mg/kg | | Rat |
| | | | |
| | | | |

11.2 Information on other hazards:

Endocrine disrupting properties

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | Species | Genus |
|---|---------------|-------------------|---------------------------------|
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | LC50 | 13,8 mg/L (96 h) | Carassius auratus |
| | EC50 | 50 mg/L (24 h) | Daphnia magna |
| | EC50 | Not relevant | |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | LC50 | 57 mg/L (96 h) | Pimephales promelas |
| | EC50 | 48,1 mg/L (48 h) | Daphnia magna |
| | EC50 | 120 mg/L (72 h) | Pseudokirchneriella subcapitata |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | LC50 | 4,2 mg/L (96 h) | Oncorhynchus mykiss |
| | EC50 | 52 mg/L (48 h) | Daphnia magna |
| | EC50 | 36 mg/L (72 h) | Pseudokirchneriella subcapitata |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9 | LC50 | 0,95 mg/L (96 h) | Oryzias latipes |
| | EC50 | 0,194 mg/L (48 h) | Daphnia magna |
| | EC50 | 0,723 mg/L (72 h) | Pseudokirchneriella subcapitata |

Chronic toxicity:

| Identification | Concentration | Species | Genus |
|---|---------------|--------------|---------------------|
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | NOEC | 0,22 mg/L | Pimephales promelas |
| | NOEC | Not relevant | |

12.2 Persistence and degradability:

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|---|---------------|--------------|------------------|----------|
| | | | | |
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | BOD5 | 1,62 g O2/g | Concentration | 100 mg/L |
| | COD | 1,98 g O2/g | Period | 14 days |
| | BOD5/COD | 0,82 | % Biodegradable | 66 % |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 97 % |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | BOD5 | Not relevant | Concentration | 4 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 70 % |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 53 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|--|---------------------------|------|
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | BCF | 3 |
| | Pow Log | 1.48 |
| | Potential | Low |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | BCF | 6 |
| | Pow Log | 1.37 |
| | Potential | Low |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Bioaccumulation potential | |
|---|---------------------------|-----------|
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran CAS: 1222-05-5 EC: 214-946-9 | BCF | 1584 |
| | Pow Log | 5.9 |
| | Potential | Very High |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|-----------------------|--------------------------|------------|---------------------------------|
| benzaldehyde CAS: 100-52-7 EC: 202-860-4 | Koc | Not relevant | Henry | Not relevant |
| | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 3,827E-2 N/m (25 °C) | Moist soil | Not relevant |
| Vanillin CAS: 121-33-5 EC: 204-465-2 | Koc | 130 | Henry | 2,128E-4 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Not relevant |
| | Surface tension | 1,622E-2 N/m (292,85 °C) | Moist soil | Not relevant |
| Anisyl acetate CAS: 104-21-2 EC: 203-185-8 | Koc | Not relevant | Henry | 31,5 Pa·m ³ /mol |
| | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | Not relevant | Moist soil | Not relevant |
| Ethyl 2,3-epoxy-3-phenylbutyrate CAS: 77-83-8 EC: 201-061-8 | Koc | 240 | Henry | Not relevant |
| | Conclusion | Moderate | Dry soil | Not relevant |
| | Surface tension | Not relevant | Moist soil | Not relevant |

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 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 | Hazardous |

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

HP14 Ecotoxic

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-hazardous residue. Waste should not be disposed of to drains. 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

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

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SECTION 15: REGULATORY INFORMATION (continued)

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

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

Not relevant

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:

The SDS shall be supplied in an official language of the country where the product is placed on the market. 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 (COMMISSION REGULATION (EU) 2020/878).

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

Not relevant

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

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.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

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

Classification procedure:

Aquatic Chronic 3: Calculation method

Skin Sens. 1B: Calculation method

Advice related to training:

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>

Abbreviations and acronyms:

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SECTION 16: OTHER INFORMATION (continued)

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: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -