

| | | | |
|---------|------------------|----------------------------|----------------------|
| Product | YZS-0180* | PERFUME OIL AWAPUHI | |
| Version | 11.0 | Revisiondate 01-02-2024 | Printdate 24-09-2024 |

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

| | |
|--------------|--------------------------|
| Product code | MULTI-COMPONENT MIXTURE |
| | YZS-0180* |
| | PERFUME OIL AWAPUHI |
| | UFI :0FG0-V0G0-4006-R1UG |

1.2 Relevant identified uses of the substance or mixture and uses advised against

| | | |
|--------------|------------|------------------|
| Intended Use | Fragrances | Perfume compound |
|--------------|------------|------------------|

1.3 Details of the supplier of the safety data sheet

| | | |
|---------|--|--|
| Company | Gildewerk B.V. A Hofmanweg 41 2031 BH Haarlem Nederland | Tel. +31 - (0)23 - 532 22 55 Fax +31 - (0)23 - 534 09 65 E-mail: holland@gildewerk.com |
|---------|--|--|

1.4 Emergency telephone number

Only for professionals (English or Dutch only)
Tel +31 (0) 30 -2748888 (Nationaal Vergiftigingen Informatie Centrum (NVIC))

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

H315 Causes skin irritation.Skin corrosion/irritation (SCI)Category 2
H317 May cause an allergic skin reaction.Sensitization, skin (SS 1 / 1B)Category 1
H319 Causes serious eye irritation.Serious eye damage/eye irritation (EDI)Category 2A
H411 Toxic to aquatic life with long lasting effects.Hazardous to the aquatic environment, long-term hazard (EH C)Category 2

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



GHS07



GHS09

Signalword

WARNING

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

| | | | | |
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Precautionary statements

- Prevention P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
- Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P361 Remove/Take off immediately all contaminated clothing.
P391 Collect spillage.

Hazardous components which must be listed on the label:

iso-amyl oxyacetic acid allylester
alpha-methyl-1, 3-benzodioxole-5-propanal
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol
3,7-dimethyl-6-octen-1-ol (dl-citronellol)
acetic acid, (cyclohexyloxy):allyl ester
3,7-dimethyl-1,6-nonadien-3-ol (ethyl linalool)
2-(2-methyl propyl)-4-hydroxy-4-methyl tetrahydropyran
1,3-benzodioxole-5-carboxaldehyde / piperonal
2-hexyl-3-phenyl-2-propenal (trans & cis)
n-hexyl ortho hydroxy benzoate
7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene
limonene
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one
2-phenylethanol
3-octanol, 3,7-dimethyl-
4-methyl-3-decen-5-ol

2.3 Other hazards

This substance/mixture does not contain components classified as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

| <u>Chemical Name</u> | <u>CAS-Nr.</u> <u>REACH reg.</u> | <u>(REGULATION (EC) No 1272/2008)</u> | <u>Concentration [%]</u> |
|---|--|--|--------------------------|
| iso-amyl oxyacetic acid allylester | 67634-00-8 01-2120795456-39-xxxx | H302Acute toxicity, oral (ATO)Category 4 H315Skin corrosion/irritation (SCI)Category 2 H330Acute toxicity, inhalation (ATI)1, 2 | 0,1 - 1% |
| | | Acute toxicity estimate Acute oral toxicity 500 mg/kg | |
| alpha-methyl-1, 3-benzodioxole-5-propanal | 1205-17-0 01-2120740119-58-xxxx | H317Sensitization, skin (SS 1 / 1B)Category 1 H361Reproductive toxicity (REP)2 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 | 1 - 5% |
| | | Acute toxicity estimate Acute oral toxicity 3562 mg/kg | |
| 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol | 106185-75-5 01-2119529224-45-xxxx | H315Skin corrosion/irritation (SCI)Category 2 H319Serious eye damage/eye irritation (ED1)Category 2A H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 | 1 - 5% |
| benzyl acetate | 140-11-4 01-2119638272-42-xxxx | H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3 | 1 - 5% |
| | | Acute toxicity estimate Acute oral toxicity 2490 mg/kg | |

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| 3,7-dimethyl-6-octen-1-ol (dl-citronellol) | 106-22-9 01-2119453995-23-xxxx | H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A | 1 - 5% |
| | | Acute toxicity estimate Acute oral toxicity 3450 mg/kg Acute dermal toxicity 2650 mg/kg | |
| acetic acid, (cyclohexyloxy)allyl ester | 68901-15-5 01-2120770514-54-xxxx | H302Acute toxicity, oral (ATO)Category 4 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 | 0,1 - 1% |
| | | M Factor Acute 1 Acute toxicity estimate Acute oral toxicity 682 mg/kg | |
| 3,7-dimethyl-1,6-nonadien-3-ol (ethyl linalool) | 10339-55-6 01-2119969272-32-xxxx | H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A | 1 - 5% |
| | | Acute toxicity estimate Acute oral toxicity 5000 mg/kg | |
| 2-(2-methyl propyl)-4-hydroxy-4-methyl tetrahydropyran | 63500-71-0 01-2119455547-30-xxxx | H319Serious eye damage/eye irritation (EDI)Category 2A | 5 - 10% |
| 1,3-benzodioxole-5-carboxaldehyde / piperonal | 120-57-0 01-2119983608-21-xxxx | H317Sensitization, skin (SS 1 / 1B)Category 1 | 1 - 5% |
| | | Acute toxicity estimate Acute oral toxicity 2700 mg/kg | |
| 2-hexyl-3-phenyl-2-propenal (trans & cis) | 101-86-0 01-2119533092-50-xxxx | H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 | 5 - 10% |
| | | M Factor Acute 1 Acute toxicity estimate Acute oral toxicity 3100 mg/kg | |

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| Version | 11.0 | Revisiondate | 01-02-2024 |
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| n-hexyl ortho hydroxy benzoate | 6259-76-3 | H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 | 1 - 5% |
| | 01-2119638275-36-xxxx | | |
| | | M Factor | Acute 1; Chronic 1 |
| 7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene | 54464-57-2 | H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 | 1 - 5% |
| | 01-2119489989-04-xxxx | | |
| limonene | 5989-27-5 | H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3 | 1 - 5% |
| | 01-2119529223-47-xxxx | | |
| | | M Factor | Acute 1 |
| | | Acute toxicity estimate | |
| | | Acute oral toxicity | >2000 mg/kg |
| 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one | 127-51-5 | H317Sensitization, skin (SS 1 / 1B)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 | 1 - 5% |
| | 01-2120138569-45-xxxx | | |
| 2-phenylethanol | 60-12-8 | H302Acute toxicity, oral (ATO)Category 4 H319Serious eye damage/eye irritation (EDI)Category 2A | 10 - 25% |
| | 01-2119963921-31-xxxx | | |
| | | Acute toxicity estimate | |
| | | Acute oral toxicity | 1610 mg/kg |
| 3-octanol, 3,7-dimethyl- | 78-69-3 | H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A | 1 - 5% |
| | 01-2119454788-21-xxxx | | |

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4-methyl-3-decen-5-ol 81782-77-6 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1
H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 0,1 - 1%

01-2119983528-21-xxxx

M Factor Acute 1

| | | |
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For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

| | |
|-------------------------|--|
| General advice | Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. |
| If inhaled | If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| In case of skin contact | If on skin, rinse well with water. |
| In case of eye contact | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| If swallowed | Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------|-------------------|
| Symptoms | no data available |
|----------|-------------------|

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|-----------|-------------------|
| Treatment | no data available |
|-----------|-------------------|

5. Fire-fighting measures

5.1 Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Dry chemical Alcohol-resistant foam Carbon dioxide (CO ₂) Water spray |
| Unsuitable extinguishing media | High volume water jet |

5.2 Special hazards arising from the substance or mixture

| | |
|--------------------------------------|---|
| Specific hazards during firefighting | Do not allow run-off from fire fighting to enter drains or water courses. |
|--------------------------------------|---|

5.3 Advice for firefighters

| | |
|--|--|
| Special protective equipment for fire-fighters | Wear self contained breathing apparatus for fire fighting if necessary. |
| Further information | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|----------------------|------------------------------------|
| Personal precautions | Use personal protective equipment. |
|----------------------|------------------------------------|

6.2 Environmental precautions

| | |
|---------------------------|---|
| Environmental precautions | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. |
|---------------------------|---|

6.3 Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. |
|-------------------------|---|

6.4 Reference to other sections

not applicable

7. Handling and storage

| | | |
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7.1 Precautions for safe handling

| | |
|---|--|
| Advice on safe handling | Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. |
| Advice on protection against fire and explosion | Normal measures for preventive fire protection. |
| Temperature class | no data available |
| Fire-fighting class | no data available |
| Dust explosion class | no data available |

7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Requirements for storage areas and containers | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. |
| Further information on storage conditions | no data available |
| Advice on common storage | no data available |
| German storage class | no data available |
| Other data | No decomposition if stored and applied as directed. |

7.3 Specific end uses

| | |
|-----------------|-------------------|
| Specific use(s) | no data available |
|-----------------|-------------------|

8. Exposure controls/personal protection

8.1 Control parameters

BENZYL ACETATE

Workingprogram : Limits Denemarken 2007 Limits : 10 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 2007 (publicatie C.0.1)

Workingprogram : Limits België 2009 Limits : 10 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009 - 2065

Workingprogram : Limits Spanje 2010 Limits : 10 parts per million Publication : Límites de Exposición Profesional para Agentes Químicos en España, Mayo 2010; Ministerio de Trabajo e Inmigración, INSHT

DIPROPYLENE GLYCOL

Workingprogram : Limits Zwitserland Limits : 200 milligram per kubieke meter inhaleerbare fractie Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Duitsland-AGS Limits : 67 milligram per kubieke meter inhaleerbare fractie Publication : TRGS 900

ETHYL ACETATE

Workingprogram : Werkprogramma EU 2010 Limits : 200 parts per million Publication : SCOEL/SUM/1

LIMONENE

Workingprogram : Werkprogramma Overname buitenlandse Limits (dossier 11) Limits : 110 milligram per kubieke meter Publication : 38975

Workingprogram : Limits Duitsland-AGS Limits : 20 parts per million Publication : TRGS 900

Workingprogram : Limits Zwitserland Limits : 20 parts per million Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13.

uitgave november 2009; Arbejdstilsynet

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13.

uitgave november 2009; Arbejdstilsynet

Workingprogram : Limits Finland 2007 Limits : 25 parts per million Publication : Julkaisuja 2004:4

PINENE ALPHA

Workingprogram : Limits België 2009 Limits : 20 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009- -2065

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave

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november 2009; Arbeidstilsynet

PINENE BETA

Workingprogram : Limits België 2009 Limits : 20 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009- -2065

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

8.2 Exposure controls

Personal protective equipment

| | |
|--------------------------|---|
| Hand protection | Use protective gloves. Gloves must comply with standard EN 374-1/2/3. Suitable material: Nitrile Breakthrough time (maximum wearing time): >30 min. Thickness of the material: 0.13 mm |
| Eye protection | Eye wash bottle with pure water Tightly fitting, approved safety goggles with side shields with standard EN166. |
| Skin and body protection | Wear face-shield and protective suit for abnormal processing problems. impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Hygiene measures | When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |

Environmental exposure controls

| | |
|----------------|---|
| General advice | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. |
|----------------|---|

9. Physical and chemical properties

9.1 Information on basic physical and chemical properti

| | |
|------------------------------|-----------------------|
| Physical state | liquid |
| Form | liquid |
| Color | not determined |
| Odor | not determined |
| Odour Threshold | not applicable |
| Flash point | >100°C |
| Lower explosion limit | not determined |
| Upper explosion limit | not determined |
| Flammability (solid, gas) | not applicable |
| Oxidizing properties | not applicable |
| Autoignition temperature | not determined |
| Decomposition temperature | no data available |
| pH | not determined |
| Melting point | not determined |
| Boiling point | not determined |
| Vapour pressure | not determined |
| Density | not determined |
| Bulk density | not applicable |
| Water solubility | not determined |
| Solubility/qualitative | practically insoluble |
| Partition coeff noctanol/H2O | not applicable |
| Viscosity, kinematic | no data available |
| Relative vapour density | no data available |
| Evaporation rate | no data available |
| Explosive properties | no data available |

9.2 Other information not applicable

10. Stability and reactivity

10.1 Reactivity none

10.2 Chemical stability The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions No decomposition if stored and applied as directed.

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10.4 Conditions to avoid

Conditions to avoid no data available

10.5 Incompatible materials

Materials to avoid no data available

10.6 Hazardous decomposition products

Hazardous decomposition products
no data available
Thermal decomposition no data available

11. Toxicological information

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

| | | |
|---|---|---|
| Acute orale toxicity | Estimated Acute toxicity Dosis mg/kg : | 2257 |
| Method | Calculationmethod | |
| Acute inhalation toxicity | Estimated Acute toxicity Dosis mg/ltr : | |
| Method | Calculationmethod | No data is available on the product itself. |
| Acute dermale toxicity | Estimated Acute toxicity Dosis mg/kg : | 3890 |
| Method | Calculationmethod | |
| Acute toxicity (other routes of administration) | No data is available on the product itself. | |
| Skin corrosion/irritation | | |
| Skin irritation | No data is available on the product itself. | |
| Serious eye damage/eye irritation | | |
| Eye irritation | No data is available on the product itself. | |
| Respiratory or skin sensitization | | |
| Sensitisation | No data is available on the product itself. | |
| Germ cell mutagenicity | | |
| Germ cell mutagenicity | No data is available on the product itself. | |
| Carcinogenicity | | |
| Carcinogenicity | No data is available on the product itself. | |
| Reproductive toxicity | | |
| Reproductive toxicity | No data is available on the product itself. | |
| Target Organ Systemic Toxicant - Single exposure | | |
| Target Organ Systemic Toxicant - Single exposure | No data is available on the product itself. | |
| Target Organ Systemic Toxicant - Repeated exposure | | |
| Target Organ Systemic Toxicant - Repeated exposure | No data is available on the product itself. | |
| Aspiration hazard | | |
| Aspiration toxicity | No data is available on the product itself. | |
| Phototoxicity | | |
| Phototoxicity | No data is available on the product itself. | |
| Further information | no data available | |

11.2 Information on other hazards

Endocrine disrupting properties Assessment

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information no data available

| | | |
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12. Ecological information

12.1 Toxicity

| | |
|--|-------------------|
| Toxicity to fish | no data available |
| Toxicity to daphnia and other aquatic invertebrates. | no data available |
| Toxicity to algae | no data available |

12.2 Persistence and degradability

| | |
|--|-------------------|
| Biodegradability | no data available |
| Biodegradability BO (Biodegradable Organics) % | 98,6 |

12.3 Bioaccumulative potential

| | |
|-----------------|-------------------|
| Bioaccumulation | no data available |
|-----------------|-------------------|

12.4 Mobility in soil

| | |
|---|-------------------|
| Mobility | no data available |
| Distribution among environmental compartments | no data available |
| Additional advice Environmental fate and pathways | no data available |
| Physico-chemical removability | no data available |

12.5 Results of PBT and vPvB assessment

Assessment

This substance/mixture does not contain components classified as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Assessment

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

| | |
|---------------------------------------|-------------------|
| Biochemical Oxygen Demand (BOD) | no data available |
| Dissolved organic carbon (DOC) | no data available |
| Chemical Oxygen Demand (COD) | no data available |
| Adsorbed organic bound halogens (AOX) | no data available |
| Additional ecological information | |

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal considerations

13.1 Waste treatment methods

| | |
|-------------------------------|--|
| Product | The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. |
| Contaminated packaging | Empty remaining contents. |
| Dispose of as unused product. | Do not re-use empty containers. Dispose of in accordance with local regulations. |

14. Transport information

| | | |
|---------|------------------|--|
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ADR/RID/ADN

| | |
|------------------------------------|--|
| UNnumber | UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.) |
| Description of Goods | (2-hexyl-3-phenyl-2-propenal (trans & cis) & 7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene) |
| Transportclass and packaging group | 9 PG III |
| Dangerous for the environment | yes |
| Additional information | Special Provision 375: this product is not subject to the other provisions of the ADR when transported in sizes of ≤5L or ≤5kg, provided that the packaging complies with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. |

IATA/ICAO

| | |
|------------------------------------|--|
| UNnumber | UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.) |
| Description of Goods | (2-hexyl-3-phenyl-2-propenal (trans & cis) & 7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene) |
| Transportclass and packaging group | 9 PG III |
| Dangerous for the environment | yes |
| Additional information | Special Provision A197: this product is not subject to the other provisions of IATA when transported in sizes of ≤5L or ≤5kg, provided that the packaging complies with the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8 . |

IMDG

| | |
|------------------------------------|--|
| UNnumber | UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.) |
| Description of Goods | (2-hexyl-3-phenyl-2-propenal (trans & cis) & 7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene) |
| Transportclass and packaging group | 9 PG III |
| marine pollution | yes |
| Additional information | IMDG 2.10.2.7: this product is not subject to the other provisions of the IMDG when transported in sizes of ≤5L or ≤5kg, provided that the packages comply with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. |

15. Regulatory information

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

| | |
|---------|------------------------------------|
| ABM Cat | Water hazard class NL (ABM) Cat A2 |
| WGK | WGK2 |

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance

16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of
EUROPEAN COSMETIC REGULATION (EC) No1223/2009

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Product **YZS-0180*** **PERFUME OIL AWAPUHI**

| <u>Ingredient Name (INCI)</u> | <u>CAS-Nr</u> | <u>Concentration [%]</u> |
|------------------------------------|--|--------------------------|
| 3-propylidene-phthalide | 17369-59-4 | -- |
| 6-methyl coumarin | 92-48-8 | -- |
| acetyl cedrene | 32388-55-9 | 0,001 |
| alpha-isomethyl ionone | 127-51-5 | 2,000 |
| alpha-terpinene | 99-86-5 | -- |
| amyl cinnamal | 122-40-7 | -- |
| amyl salicylate | 2050-08-0 | -- |
| amylcinnamyl alcohol | 101-85-9 | -- |
| anethole | 104-46-1/ 4180-23-8 | -- |
| anise alcohol | 105-13-5 | -- |
| benzaldehyde | 100-52-7 | -- |
| benzyl alcohol | 100-51-6 | -- |
| benzyl benzoate | 120-51-4 | -- |
| benzyl cinnamate | 103-41-3 | -- |
| benzyl salicylate | 118-58-1 | -- |
| beta-caryophyllene | 87-44-5 | -- |
| camphor | 76-22-2/ 21368-68-3/ 464-49-3/ 464-48-2 | -- |
| cananga odorata oil/extract | 83863-30-3/ 8006-81-3/ 68606-83-7/ 93686-30-7 | -- |
| carvone | 99-49-0/ 6485-40-1/ 2244-16-8 | -- |
| cedrus atlantica oil/extract | 92201-55-3/ 8023-85-6 | -- |
| cinnamal | 104-55-2 | -- |
| cinnamomum cassia leaf oil | 8007-80-5/ 84961-46-6 | -- |
| cinnamomum zeylanicum bark oil | 8015-91-6/ 84649-98-9 | -- |
| cinnamyl alcohol | 104-54-1 | -- |
| citral | 5392-40-5/ 141-27-5/ 106-26-3 | -- |
| citronellol | 106-22-9/ 26489-01-0/ 1117-61-9/ 7540-51-4 | 2,031 |
| citrus aurantium bergamia peel oil | 8007-75-8/ 89957-91-5/ 68648-33-9/ 85049-52-1 | -- |
| citrus aurantium flower oil | 72968-50-4/ 8028-48-6/ 8016-38-4 | -- |
| citrus aurantium peel oil | 68916-04-1/ 72968-50-4/ 97766-30-8/ 8028-48-6/ 8008-57-9 | -- |
| citrus limon peel oil | 84929-31-7/ 8008-56-8 | -- |
| coumarin | 91-64-5 | -- |
| dimethyl phenethyl acetate | 151-05-3 | 3,000 |

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of EUROPEAN COSMETIC REGULATION (EC) No1223/2009

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Product **YZS-0180*** **PERFUME OIL AWAPUHI**

| <u>Ingredient Name (INCI)</u> | <u>CAS-Nr</u> | <u>Concentration [%]</u> |
|-----------------------------------|---|--------------------------|
| eucalyptus globulus oil | 97926-40-4/ 8000-48-4 | -- |
| eugenia caryophyllus oil | 8000-34-8/ 8015-97-2/ 84961-50-2 | -- |
| eugenol | 97-53-0 | -- |
| eugenyl acetate | 93-28-7 | -- |
| evernia furfuracea extr | 90028-67-4 | -- |
| evernia prunastri extract | 90028-68-5 | -- |
| farnesol | 4602-84-0 | -- |
| geraniol | 106-24-1 | -- |
| geranyl acetate | 105-87-3 | -- |
| hexadecanolactone | 109-29-5 | -- |
| hexamethylindanopyran | 1222-05-5 | -- |
| hexyl cinnamal | 101-86-0 | 7,022 |
| hydroxycitronellal | 107-75-5 | -- |
| isoeugenol | 97-54-1/ 5932-68-3/ 5912-86-7 | -- |
| isoeugenyl acetate | 93-29-8/5912-87-8 | -- |
| jasmine oil/extract | 84776-64-7/ 90045-94-6/ 8022-96-6/ 8024-43-9 | -- |
| juniperus virginiana oil | 8000-27-9/ 85085-41-2 | -- |
| laurus nobilis leaf oil | 8002-41-3/ 8007-48-5/ 84603-73-6 | -- |
| lavandula oil/ extract | 91722-69-9/ 8022-15-9/ 93455-96-0/ 93455-97-1/ 92623-76-2/ 84776-65-8/ 8000-28-0/ 90063-37-9 | -- |
| lemongrass oil | 8007-02-1/ 89998-16-3/ 91844-92-7 | -- |
| limonene | 138-86-3/ 7705-14-8/ 5989-27-5/ 5989-54-8 | 1,105 |
| linalool | 78-70-6 | 0,003 |
| linalyl acetate | 115-95-7 | -- |
| lippia citriodora absolute | 8024-12-2/ 85116-63-8 | -- |
| mentha piperita oil | 8006-90-4/ 84082-70-2 | -- |
| mentha viridis leaf oil | 8008-79-5/ 84696-51-5 | -- |
| menthol | 89-78-1/ 1490-04-6/ 2216-51-5/ 15356-60-2 | -- |
| methyl 2-octynoate | 111-12-6 | -- |
| methyl salicylate | 119-36-8 | -- |
| myroxylon pereirae oil/extract | 8007-00-9 | -- |
| narcissus extract | 90064-26-9/ 68917-12-4/ 90064-27-0/ 90064-25-8 | -- |
| pelargonium graveolens flower oil | 90082-51-2/ 8000-46-2 | -- |

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of
EUROPEAN COSMETIC REGULATION (EC) No1223/2009

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Product **YZS-0180*** **PERFUME OIL AWAPUHI**

| <u>Ingredient Name (INCI)</u> | <u>CAS-Nr</u> | <u>Concentration [%]</u> |
|--|---|--------------------------|
| pinene | 80-56-8/ 7785-70-8/ 127-91-3/ 18172-67-3 | 0,026 |
| pinus mugo | 90082-72-7 | -- |
| pinus pumila | 97676-05-6 | -- |
| pogostemon cablin oil | 8014-09-3/ 84238-39-1 | -- |
| rose flower oil/extract | 8007-01-0/ 90106-38-0/ 93334-48-6/ 84696-47-9/ 84604-12-6/ 84604-13-7/ 92347-25-6 | -- |
| rose ketones | 43052-87-5/ 23726-94-5/ 24720-09-0/ 23696-85-7/ 57378-68-4/ 71048-82-3/ 23726-92-3/ 23726-91-2 | -- |
| salicylaldehyde | 90-02-8 | -- |
| santalol | 11031-45-1/ 115-71-9/ 77-42-9 | -- |
| santalum album oil | 8006-87-9/ 84787-70-2 | -- |
| sclareol | 515-03-7 | -- |
| terpineol | 8000-41-7/ 98-55-5/ 138-87-4/ 586-81-2 | 0,001 |
| terpinolene | 586-62-9 | -- |
| tetramethylacetyloctahydronaphthalenes | 54464-57-2/ 54464-59-4/ 68155-66-8/ 68155-67-9 | 5,000 |
| trimethylbenzenepropanol | 103694-68-4 | -- |
| trimethylcyclopentenylmethylisopenenol | 67801-20-1 | -- |
| turpentine | 9005-90-7/ 8006-64-2/ 8052-14-0 | -- |
| vanillin | 121-33-5 | 0,750 |

On 27 July 2023, the EU Regulation extending the list of fragrance allergens to be labelled in cosmetic products was published in the Official Journal of the European Union.

The Regulation has updated Annex III of the Cosmetic products Regulation with 56 new fragrance ingredients for which the presence should be indicated on the label in case of being above the established thresholds for leave-on and rinse off products (0,001 and 0,01%).

The regulation enters into force on 16 August 2023, with a transition period of 3 years for new products and 5 years for existing products.

With kind regards,

Gildewerk BV
Regulatory Affairs & Product Safety, Fragrances

generated electronically, No signature

This certificate is generated by calculation based on data for ingredients. The data in this document has been prepared by Gildewerk in accordance with Gildewerks internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Gildewerks knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Gildewerk is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility. A concentration represented by "0,000" corresponds to <10 ppm.

STATEMENT

Code YZS-0180*

PERFUME OIL AWAPUHI

24-09-2024

To whom it concerns

Musk statement

product YZS-0180* PERFUME OIL AWAPUHI contains the following ingredients:

- 0,00 % (Musk) Nitromusk
- 0,00 % (Musk) Polycyclic musk
- 0,00 % (Musk) Macrocyclic musk

Vegan declaration

We have reviewed this product and declare that, to the best of our knowledge, it is suitable for the Vegan diet. Vegan products do not contain animal ingredients (mammalian, poultry, fish, shellfish, mollusk, insects) as well as ingredients derived from animal such as dairy, eggs and bee products or animal enzymes.

GMO directly added

(Declaration Limit: 0,01%)

According to the formulation – this fragrance oil does not contain ingredients produced on the basis of genetically modified organisms.

Animal Testing

We herewith confirm that our fragrances have not been the subject of animal testing by or on behalf of our company.

BSE / TSE

(Declaration Limit: 0,01%)

Our fragrances are mixtures of natural (plant origin) and synthetic products. To the best of our knowledge it does not contain any ingredients which may be suspected of BSE / TSE.

Heavy metals

Gildewerk does not use any heavy metal for direct addition into fragrances, bases and ingredients. Gildewerk does not undertake routine analysis on heavy metals and the potential presence of heavy metals in ingredient is of the order of magnitude of unavoidable traces. Based on our experience and to the best of our knowledge, the total quantity of heavy metals that may be present in this product are significantly below the limits defined in applicable regulations.

Nanomaterials

We certify, to the best of our knowledge, that this product does not contain any ingredient defined as a nanomaterial according to the article 2 of Cosmetic Regulation 1223/2009.

“Nanomaterial” means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100nm.

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PERFUME OIL AWAPUHI

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Palm Oil (PO) / Palm Kernel Oil (PKO) statement

This product contains the following ingredients:

| | | |
|--------|---|--|
| 0,000 | % | Palm Oil (PO) or Palm Kernel Oil (PKO) |
| 27,915 | % | Palm Kernel Oil Derivative |

| | |
|----------------------------------|--------------------|
| RSPO Certified | Yes |
| Gildewerk Certificate No. Supply | CU-RSPO SCC-867028 |
| Chain Model | Mass Balance |
| Certificate Start Date | 16 October 2019 |



HICC (Lyril), atranol and chloratranol

Please note that Commission Regulation (EU) 2017/1410 of 2 August 2017 amending Annexes II and III to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products has been published in the Official Journal of August 3rd, 2017.

HICC, Atranol and chloratranol have been added to Annex II of the Cosmetic Products Regulation (list of substances prohibited in cosmetic products) with the entries 1380, 1381 and 1382:

- 3-(4-Hydroxy-4-methylpentyl) cyclohex-3-ene-1-carbaldehyde [CAS# 51414-25-6]
- 4-(4-Hydroxy-4-methylpentyl) cyclohex-3-ene-1-carbaldehyde [CAS# 31906-04-4]
- Atranol [CAS# 526-37-4]
- chloratranol [CAS# 57074-21-2]

Commission Regulation (EU) 2017/1410 also deletes the Annex III entry (79) for HICC with application from 23rd August 2021.

The presence of atranol and chloratranol, being natural components of oak tree moss and treemoss extracts¹, is banned above technically unavoidable traces in good manufacturing practice. As purity requirements for both moss extracts have been established in IFRA Standards since 2009, all products on shelves should be compliant by the entry into force of this regulation.

The transitional periods are the following:

- From 23 August 2019, cosmetic products containing one or more of these substances shall not be placed on the European Union market.
- From 23 August 2021, cosmetic products containing one or more of these substances shall not be made available on the Union market.

| | | |
|-------|---|---------------------------|
| 0,000 | % | • HICC (Lyril) |
| 0,000 | % | • Atranol [CAS# 526-37-4] |

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0,000 % • Chloratranol [CAS# 57074-21-2]

BMHCA (Lilial) ban in cosmetics

The 15th ATP1 to the EU CLP2 regulation, COMMISSION DELEGATED REGULATION (EU) 2020/1182, has been published on August 11th, 2020, in the Official Journal and will apply from 1 March 2022. It lists BMHCA (Lilial) on Annex VI as toxic for Reproduction category 1B (Rep. 1B, H360Fd).

Subsequently, BMHCA (Lilial) will be banned for the use in cosmetic products in the EU. The EU Commission will include this substance in the CMR Omnibus Act IV for integration into Annex II (list of prohibited substances in cosmetics) of the EU Cosmetics Regulation.

This means that by 1 March 2022 the use of BMHCA (Lilial) in cosmetic products (new and existing) will be banned in the EU. All products containing BMHCA (Lilial) should be off the shelf by this date.

It is important to highlight that the above-mentioned regulatory events and activities are limited to the EU. The use of BMHCA in cosmetic products outside the EU remains unaffected.

BMHCA (Lilial) restriction in household products (e.g. detergents, household and cleaning products, air-fresheners)

Please be informed that the ban of BMHCA also imposes a restriction to the placing on the market and use of BMHCA in household products for consumers and professional users.

The restriction, in practice, implies the following:

- BMHCA **cannot be placed on the market or used**, in products sold to the general public (consumers) **when its concentration is equal or above** the generic concentration limit specified in part 3 of Annex I of the EU CLP - i.e. **0.3%** (final product (mixture) is not classified as Rep 1B).
- BMHCA **may be placed on the market and used in products sold for professional use** above the classification concentration limit of **equal or above 0.3%** (product is classified as Rep 1B). In this case the packaging of such substances and mixtures has to be **marked** visibly, legibly and indelibly as **'Restricted to professional users'**.

This restriction applies to BMHCA as such, as constituent of other substances, or, in mixtures.

If the same applicability date as the EU CLP harmonized classification will be used, this would mean that from 1 March 2022 onward, consumer products containing 0.3% or more of BMHCA can no longer be sold in the EU.

0,000 % • BMHCA (Lilial)[CAS# 80-54-6]

Karanal on the EU – REACH Authorization List

- Karanal [CAS# 117933-89-8] - No use (delisted from pallet 17th July, 2023)



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PERFUME OIL AWAPUHI

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We would like to inform you that, with the inclusion of Karanal (CAS 117933-89-8) on the EU REACH Authorization List, Gildewerk has defined a reformulation plan which consists of replacing Karanal with a combination of ingredients that will give the same olfactive character, performance and stability.

Gildewerk ensures that product safety and regulatory compliance are not impacted by the formula change. The materials used for the reformulation have been thoroughly reviewed and specifically selected based on their regulatory and safety profile so that the reformulation formula shows no negative impact on the final classification/safety of the formula or the allergen levels. Thus the modified formula is safe for consumer use and regulatory compliant.

The commercial name and code of the reformulated fragrance will not change.

The placing on the market and the use of Karanal (including the use in cosmetic products) will be prohibited from 27 August 2023 onwards. Fragrance batches produced after 27 August 2023 will be reformulated and free from Karanal.

This does not impact the use of Karanal in other regions outside of the EU. Customers outside of Europe may be impacted if their products are manufactured or marketed in Europe. If you have any questions, please contact your client support representative.

REACH

We, Gildewerk B.V., declare, to the best of our knowledge, that we are in compliance with our obligations according to the REACH Regulation (EC) No. 1907/2006 and its modifications and updates for the substances contained in the fragrance compound(s)/ingredient(s) delivered to customer.

All substances supplied by Gildewerk B.V., as well as substances contained in our mixtures are either:

- Registered (Gildewerk B.V. act as a downstream user as defined by the REACH Regulation), or
- Exempted of Registration

Any substances out of scope e.g. exempted substances or substances below the threshold for registration under REACH (<1tpa) are allowed to be used in products without registration in the EU.

The above mentioned information is continuously checked by us and also demanded to our suppliers. We also continue to monitor the ongoing amendments of the Regulation and will update our compliance statement as appropriate.

Biodegradability BO (Biodegradable Organics) % 98,6

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Please be aware that fragrance compounds are not tested for biodegradability. The biodegradability of a fragrance compound is assured based on data on the components and is assessed by summing the percentage (by weight) of ingredients which are biodegradable. The following criteria have been used to identify "biodegradable" fragrance ingredients used in above mentioned fragrance compound:

1. Biodegradable following internationally accepted OECD/ISO guideline studies accepted by authorities.
 - The tests include OECD 301 series, OECD 310, OECD 302 series and ISO 14593;
 - The pass criterion in these tests is 60-70% within 14 or 28 days (depending on the test and the endpoint measured);
 - If biodegradation has started but a plateau has not been reached, the test may be prolonged (typically up to 60 days).
2. Use of simple structural read-across from known biodegradable ingredients to structurally very close analogues that are therefore fully expected also to be biodegradable.
3. Natural complex substances (e.g. essential oils) are assessed based on either test data for the NCS itself or data for the constituents.

Publication of final Regulation of Methyl-N-methylantranilate in cosmetic products in Europe

We would like to inform you that Commission Regulation (EU) 2022/135 has been published in the Official Journal of the European Union on January 31, 2022. It amends Regulation (EC) No 1223/2009 of the European Parliament and of the Council as regards the use of Methyl-N-methylantranilate in cosmetic products.

It sets maximum use levels of 0.1% in leave-on products and 0.2% in rinse-off products. Please note that the material should not be used in sunscreen products and products marketed for exposure to natural or artificial UV light.

From 21 August 2022 cosmetic products containing the substance and not complying with the restrictions shall no longer be placed on the EU market (i.e. new products). From 21 November 2022 the products shall not be made available (i.e. existing products) on the Union market.

0,000 % Methyl-N-methylantranilate

Benzophenone - Publication of the 18th ATP to the EU CLP Regulation

We would like to inform you that the 18th ATP to the EU CLP regulation, (COMMISSION DELEGATED REGULATION (EU) 2022/692) was published on May 3rd, 2022 and will enter into force on the twentieth

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day following that of its publication in the Official Journal of the European Union. The new/revised classifications shall apply as from 1 December 2023.

Please note that index number 606-153-00-5 corresponds to benzophenone (CAS No 119-61-9 / EINECS No 204-337-6) classified as Carcinogenic 1B (H350).

This means that this substance will be restricted in household products and air care products in the EU according to the REACH restriction entry number 28 (see REACH Annex XVII).

Regarding the use of benzophenone in cosmetics, it will be forbidden for this use on 1 December 2023 if no exemption request is submitted according to article 15.2 of the Cosmetics Regulation. This will happen through the publication of a CMR Omnibus to the EU Cosmetics Regulation.

0,000 % Benzophenone

Natural Origin Content

Natural Origin Content according to ISO 16128:

1,151 %

SCCS/1656/23 Preliminary Opinion

Benzyl Salicylate (CAS No. 118-58-1, EC No. 204-262-9)

Based on the data provided and assessed and taking under consideration the concerns related to potential endocrine disrupting properties, the SCCS considers Benzyl Salicylate safe when used up to the maximum concentrations provided in Table 1 of this Opinion.

Table 1: Maximum use concentrations of benzyl salicylate in cosmetic products

| Type of cosmetic product exposure | Maximum % concentration used |
|---|------------------------------|
| Hydroalcoholic-based fragrances (spray and non-spray) | 4 |
| Rinse-off skin & hair products (except rinse off body products) | 0.5 |
| Rinse off body products | 1.3 |
| Leave on skin & hair products (non-spray/non-aerosol)(except body lotion) | 0.5 |
| Leave on hair products (spray/aerosol) | 0.5 |

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| | |
|--|-------|
| Leave on body products (non-spray/spray/aerosol) | 0.7 |
| Face make-up products and make-up remover | 0.2 |
| Oral care | 0.004 |
| Deodorant products (spray/aerosol) | 0.91 |

0,000 % Benzyl Salicylate

SCCS/1658/23 Preliminary version Opinion on Hexyl Salicylate (CAS/EC No. 6259-76-3/228-408-6)

Based on the assessment of data provided and taking into consideration the concerns related to potential endocrine disrupting properties, the SCCS considers Hexyl Salicylate safe when used up to the maximum concentrations as provided in Table 1 of this Opinion.

Table 1: Maximum concentrations of Hexyl Salicylate in cosmetic products as reported in the dossier submission.

| Product type, Body parts | Maximum concentration |
|--------------------------------------|-----------------------|
| Hydroalcoholic-based fragrances | 2 |
| All Rinse-off products | 0.5 |
| All Leave on products | 0.3 |
| Oral care (toothpaste and mouthwash) | 0.001 |

4,000 % Hexyl Salicylate

Heliotropine (CAS: 120-57-0) – ECHA RAC adopted their Opinion on the harmonized classification and labelling (CLH) proposal as toxicity to reproduction Category 1B.

We would like to inform you that the ECHA RAC 69 plenary meeting of June 4, 2024 has adopted the Opinion to classify Heliotropine / piperonal; 1,3-benzodioxole-5-carbaldehyde (CAS: 120-57-0) as follows: skin sensitisation (Skin Sens. 1B; H317) and toxic to reproduction (Repr. 1B; H360FD).

We also remind you of the regulatory consequences under the EU Cosmetic Products Regulation (Regulation (EC) No 1223/2009), i.e., a ban if no exemption is granted, and under the EU REACH Regulation (Annex XVII), i.e., a restriction equal to or above the classification concentration limit of 0.3%, in relation to substances with harmonised classification and labelling as CMR 1B.

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Next steps in the regulatory process.

Heliotropine, piperonal, 1,3-benzodioxole-5-carbaldehyde (CAS: 120-57-0)

| | | |
|---|--|---|
| RAC 69 plenary | | 3-7 June 2024 (RAC adopted their opinion on 4 June 2024) |
| CARACAL discussion | | 2025 |
| Publication in the OJ (ATP ¹) (18 months transitional period) | | 2026 |
| Application of the ATP (Ban in cosmetics and Restriction under REACH) | | 2028 |

2,000 % Heliotropine

With kind regards,

Gildewerk BV
Regulatory Affairs & Product Safety, Fragrances
generated electronically, No signature

This certificate is generated by calculation based on data for ingredients. The data in this document has been prepared by Gildewerk in accordance with Gildewerks internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Gildewerks knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Gildewerk is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility. A concentration represented by "0,000" corresponds to <10 ppm.

IFRA CONFORMITY CERTIFICATE 51st Amendment

Code **YZS-0180***
PERFUME OIL AWAPUHI

24-09-2024

We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 51st Amendment), provided it is used in the following classes at a maximum concentration level of

| IFRA 51 QRA Maximum concentration level | | |
|---|----------|--|
| IFRA Cat 1 maximum concentration level of | % | Not applicable. Product is not foodgrade |
| IFRA Cat 2 maximum concentration level of | 7,55 % | |
| IFRA Cat 3 maximum concentration level of | 2,23 % | |
| IFRA Cat 4 maximum concentration level of | 100,00 % | |
| IFRA Cat 5A maximum concentration level of | 22,29 % | |
| IFRA Cat 5B maximum concentration level of | 4,40 % | |
| IFRA Cat 5C maximum concentration level of | 4,40 % | |
| IFRA Cat 5D maximum concentration level of | 1,49 % | |
| IFRA Cat 6 maximum concentration level of | % | Not applicable. Product is not foodgrade |
| IFRA Cat 7A maximum concentration level of | 4,40 % | |
| IFRA Cat 7B maximum concentration level of | 4,40 % | |
| IFRA Cat 8 maximum concentration level of | 1,49 % | |
| IFRA Cat 9 maximum concentration level of | 8,57 % | |
| IFRA Cat 10A maximum concentration level of | 8,57 % | |
| IFRA Cat 10B maximum concentration level of | 35,43 % | |
| IFRA Cat 11A maximum concentration level of | 1,49 % | |
| IFRA Cat 11B maximum concentration level of | 1,49 % | |
| IFRA Cat 12 maximum concentration level of | 100,00 % | |

Category & Product type

1. **Category n. 1:** *Leave on products generally applied to lips.*
Products in this Cat.: *Leave on products generally applied to lips.*

- Lip Products of all types (solid, liquid, clear or colored, etc.);
- Children's toys.

IFRA CONFORMITY CERTIFICATE 51st Amendment

Code **YZS-0180***
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2. Category n. 2: *Leave on products generally applied to axillae.*

Products in this Cat.: *Leave on products generally applied to axillae.*

- Deodorant and antiperspirant products of all types (spray, stick, roll-on, etc.);
- Body sprays (including body mist).

3. Category n. 3: *Products generally applied to the face using fingertips.*

Products in this Cat.: *Products generally applied to the face using fingertips.*

- Eye products of all types (eye shadow, mascara, eye-liner, make-up, etc.);
- Facial make up and foundation;
- Make-up remover for face and eyes;
- Nose pore strips;
- Wipes or refreshing tissues for face, neck, hands, body;
- Body and face paint (children and adults);
- Facial masks for face and around the eyes.

4. Category n. 4: *Fragrancing products generally applied to neck, face and wrists.*

Products in this Cat.: *Fragrancing products generally applied to neck, face and wrists.*

- Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (EDT, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms);
- Fragranced bracelets;
- Ingredients of perfume kits and fragrance mixtures for cosmetic kits;
- Scent pads, foil packs;
- Scent strips for hydroalcoholic products.

5. Category n. 5: *Leave on products applied to the face and body using the hands (palms).*

• **Subcategory n. 5/A:**

Products in this Cat.: *Products applied to feet and body not belonging to other subcats.*

- Body creams, oils, lotions of all types;
- Foot care products (creams and powders);
- Insect repellent (intended to be applied to the skin);
- All powders and talc (excluding baby powders and talc).

• **Subcategory n. 5/B:**

Products in this Cat.: *Products in Cat. 5 applied to the face.*

- Facial toner;
- Facial moisturizers and creams (including care products for beard and mustache);

• **Subcategory n. 5/C:**

Products in this Cat.: *Products in Cat. 5 applied to the hands.*

- Hand cream;
- Nail care products including cuticle creams, nail lacquer remover, etc.;
- Hand sanitizers.

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• **Subcategory n. 5/D:**

Products in this Cat.: *Products in Cat. 5 for children.*

– Baby cream/lotion, baby oil, baby powders and talc.

6. Category n. 6: *Rinse off products with lip and oral exposure.*

Products in this Cat.: *Rinse off products with lip and oral exposure.*

- Toothpaste;
- Mouthwash, including breath sprays;
- Toothpowder, strips, mouthwash tablets.

7. Category n. 7: *Products applied to hair with hand contact.*

• **Subcategory n. 7/A:**

Products in this Cat.: *hair permanent and other rinse-off treatments.*

– Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes.

• **Subcategory n. 7/B:**

Products in this Cat.: *other leave-on treatments, as follows.*

- Hair sprays of all types (pumps, aerosol sprays, etc.);
- Hair styling aids non sprays (mousse, gels, leave-on conditioners);
- Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes;
- Shampoo-Dry (waterless shampoo);
- Hair deodorizer, hair perfume (marketed specifically for hair).

8. Category n. 8: *Products with significant anogenital exposure.*

Products in this Cat.: *Products with significant anogenital exposure.*

- Intimate wipes;
- Intimate deodorant spray;
- Tampons;
- Baby wipes;
- Toilet paper (wet).

9. Category n. 9: *Rinse off products with body and hand exposure.*

Products in this Cat.: *Rinse off products with body and hand exposure.*

- Bar soap;
- Shampoo of all types;
- Cleanser for face (rinse-off);
- Conditioner (rinse-off);
- Liquid soap;
- Body washes and shower gels of all types;
- Baby wash, bath, shampoo;
- Bath gels, foams, mousses, salts, oils and other products added to bathwater (e.g. bath bombs);
- Foot care products (feet are placed in a bath for soaking);

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- Shaving creams of all types (stick, gels, foams, etc.);
- All depilatories (including facial) and waxes for mechanical hair removal;
- Shampoos for pets.

10. **Category n. 10:** *Household care products with mostly hand contact.*

• **Subcategory n. 10/A:**

Products in this Cat.: *Mostly rinse-off products, as follows.*

- Hand wash laundry detergent (including concentrates);
- Laundry pre-treatment of all types (e.g. paste, sprays, sticks);
- Hand dishwashing detergent (including concentrates);
- Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, leather cleaning wipes, treatment products for textiles, etc.);
- Machine laundry detergents with skin contact (e.g. liquids, powders) incl. concentrates;
- Dry cleaning kits (involving manual application on the textile);
- Toilet seat wipes;
- Fabric softeners of all types excluding fabric softener sheets;
- Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, etc.;
- Floor wax;
- Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (noncartridge systems), etc;
- Ironing water (Odorized distilled water).

• **Subcategory n. 10/B:**

Products in this Cat.: *Mostly leave-on products, as follows.*

- Animal sprays: sprays applied to animals of all types;
- Air freshener sprays, manual, including aerosol and pump;
- Aerosol/spray insecticides.

11. **Category n. 11:** *Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate.*

• **Subcategory n. 11/A:**

Products in this Cat.: *Products with intimate contact.*

- Feminine hygiene conventional pads, liners, interlabial pads;
- Baby diapers;
- Incontinence pant, pad;
- Toilet paper (dry).

• **Subcategory n. 11/B:**

Products in this Cat.: *Products without intimate contact.*

- Tights with moisturizers;
- Scented socks, gloves;
- Facial tissues (dry tissues);
- Napkins;

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- Pillow spray;
- Paper towels;
- Wheat bags;
- Facial masks (paper/protective) e.g. surgical masks not used as medical device;
- Fertilizers, solid (pellet or powder).

Category n. 12: *Products not intended for direct skin contact, minimal or insignificant transfer to skin.*

Products in this Cat.: *Products not intended for direct skin contact, minimal or insignificant transfer to skin.*

- Candles of all types (including encased);
- Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods);
- Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses, plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, incense, liquid refill (cartridge) air freshening crystals, solid non aerosol car diffuser);
- Air delivery systems;
- Cat litter;
- Cell phone cases;
- Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders);
- Dry cleaning kits (placed in the dryer);
- Dryer sheets and fabric softener sheets;
- Fuels;
- Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays;
- Joss sticks or incense sticks;
- Dishwash detergent and deodorizers for machine wash;
- Olfactive board games;
- Paints;
- Plastic articles (excluding toys);
- Scratch and sniff;
- Scent pack;
- Scent delivery system (using dry air technology);
- Shoe polishes;
- Rim blocks (Toilet);
- Toilet gel;
- Scent beads.

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IFRA 51st AMENDMENT

On June 30th 2023, IFRA has issued the 51st Amendment to its Standards for the safe use of fragrance ingredients.

Beginning with the 49th Amendment, IFRA Standards reflect the introduction of several improvements to the risk assessment methodology. These improvements specifically relate to the revised methodology of Quantitative Risk Assessment for fragrance ingredients for dermal sensitization (hereafter QRA2) and a new way to assess systemic toxicity based on an aggregate exposure model.

The main impact relates to the identification of acceptable levels of fragrance ingredients in different product types and their management, on a practical basis, through grouping distinctive product types into product categories with specific limitations.

The applicable timelines for the 51st Amendment are as follows. These timelines refer to mixtures of fragrance ingredients (formulas) and not to finished consumer product(s).

| | Date for Standards entering into force for new creations | Date for Standards entering into force for existing creations |
|---|--|--|
| IFRA Standard prohibiting the use of ingredients | 2 months after the date of the Notification (i.e. August 30, 2023) | 13 months after the date of the Notification (i.e. July 30, 2024) |
| IFRA Standards restricting or setting specifications for the use of ingredients | 9 months after the date of the Notification (i.e. March 30, 2024) | 28 months after the date of the Notification (i.e. October 30, 2025) |

Note box:

Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

- The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

The creative perfumery procedures in Gildewerk Fragrances ensure that Fragrance compounds are composed only of ingredients approved by the safety clearance procedure, and satisfy, according to the current state of knowledge, the safety requirements for the intended application under normal and reasonably foreseeable conditions of use.

For other kinds of application or use at higher concentration levels, a new safety evaluation may be needed; please contact Gildewerk.



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It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Gildewerk BV

generated electronically, no signature

This certificate is generated by calculation based on data for ingredients.

The data in this document has been prepared by Gildewerk in accordance with Gildewerks internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Gildewerks knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Gildewerk is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility.

