



SAFETY DATA SHEET /according to Annex II Regulation (EC) No. 1907/2006
of the Parliament and of the Council/

WAVE DEODORIZER 2.0, WAVE DEODORIZER 3D SINGLE PACK (Kiwi Grapefruit)

Date of Issue: 27. 7. 2015

Date of Revision: 11. 11. 2022

Version: 6

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

1.1 Product identifier:

Trade name: **WAVE DEODORIZER 2.0, WAVE DEODORIZER 3D SINGLE PACK
(Kiwi Grapefruit)**

CAS Number: Not applicable for the mixture.

Contains: 2-phenoxyethanol (CAS 122-99-6) 3 – 6 %
(4-Tert.-butylcyclohexyl)-acetate (CAS 32210-23-4) < 6 %
Terpenes and Terpenoids, clove-oil (CAS 68917-29-3) < 6 %
2-Propenal, 3-Phenyl- (Cinnamaldehyde) (CAS 104-55-2) < 3 %
Citral (CAS 5392-40-5) < 3 %
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde (CAS 68039-49-6) < 3 %

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

Urinal deodorizer (Kiwi grapefruit)

Uses advised against: Not defined. For intended use only. Not for oral consumption.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/supplier:

KALVEI, s. r. o.

Address: Americká 22, 120 00 Praha 2, Czech Republic

Id. No.: 60720832 VAT No.: CZ60720832

Phone: +420 222 515 930 Fax: +420 222 513 735

Contact person: Petr Bylok

www.kalvei.cz, Petr.Bylok@kalvei.cz

Competent person responsible for the safety data sheet: Eva.Vankova@abitec.cz

1.4 Emergency telephone number: **800 424 9300 (spill/release)**

111 (non-stop) in England

National Poisons Information Service, England

+353 1 809 2166 (non-stop)

Poisons Information Centre of Ireland

Beaumont Hospital, PO Box 1297 Beaumont Road, Dublin

E-mail: npicdublin@beaumont.ie

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

The mixture does meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. The mixture is classified as dangerous in accordance with Regulation (EC) No 1272/2008, as subsequently amended.

Hazard class and category:

Skin Irrit. 2, H315

Skin Sens. 1, H317

Eye Dam. 1, H318

Hazard statements:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

The most important adverse physical effects:

The mixture is not flammable, is combustible. Thermal decomposition under high temperatures or burning may release a variety of products from simple hydrocarbons to toxic/irritating gases including carbon monoxide and carbon dioxide. Prevent from heating or burning.

The most important adverse human health effects:

The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. The mixture, which is the product impregnated by, is classified as eyes damaging and irritating to skin. In the used form they does not mean any important hazard. During long lasting inhalation can cause headache. Avoid long lasting

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inhalation exposure. Keep carefully the instructions for use.

The most important adverse environmental effects:

The mixture contains small amount of chemicals, which are classified as hazardous to aquatic life. Used form of the product does not constitute any practical risks to the environment. Keep the users' instructions to protect aquatic environment.

Full text of the classification and hazard statements is given in the section 16.

2.2 Label elements

Signal word: Danger

Pictograms: GHS05, GHS07

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statements:

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313: If skin irritation or rash occurs: Get medical attention.

P501: Dispose of contents in accordance with local/national regulation.

Supplemental information on the label:

Dangerous components: 2-phenoxyethanol (CAS 122-99-6) 3 – 6 %

(4-Tert.-butylcyclohexyl)-acetate (CAS 32210-23-4) < 6 %

Terpenes and Terpenoids, clove-oil (CAS 68917-29-3) < 6 %

2-Propenal, 3-Phenyl- (Cinnamaldehyde) (CAS 104-55-2) < 3 %

Citral (CAS 5392-40-5) < 3 %

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde (CAS 68039-49-6) < 3 %

Contains: (*R*)-*p*-Mentha-1,8-diene d-Limonene; Ginger, ext.; Terpenes and Terpenoids, lemon-oil. May produce an allergic reaction.

For professional use only.

Product identifier: **WAVE DEODORIZER 2.0, WAVE DEODORIZER 3D SINGLE PACK**
(Kiwi grapefruit) Urinal deodorizer

Manufacturer/supplier: **KALVEI, s. r. o.**, Americká 22, 120 00 Praha 2, Czech Republic;

Phone: +420 222 515 930 Fax: +420 222 513 735

2.3 Other hazards:

The mixture or any contained substance does not meet the criteria for PBT or vPvB components in accordance with Annex XIII, any compound is not enrolled in the candidate list for the Annex XIV of the Regulation (EC) No. 1907/2006, any was included in the list established in accordance with Article 59(1) for having endocrine disrupting properties or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: The product is not a substance.

3.2 Mixtures

Solid plastic slow-release deodorizing preparation in the form of a moulded urinal screen. It is made of pigmented thermoplastic impregnated with a fragrance composition and colour to represent the fragrance.

Form/Shape: Screen weighs approximately 58g/62g in the form of a circle with open slots and protrusions (7" diameter approximately).

Chemical substance	Content [%]	CAS No.	EC No.	Index No.
Ethylene-vinyl acetate; copolymer	60 – 80	24937-78-8	607-457-0	Not given
Benzyl benzoate	3 – 6	120-51-4	204-402-9	607-085-00-9
2-Phenoxyethanol	3 – 6	122-99-6	204-589-7	603-098-00-9
3a,4,5,6,7,7a-hexahydro-4,7-	3 – 6	5413-60-5	226-501-6	--



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methanoinden-6-yl acetate				
4-Tert-butylcyclohexyl acetate	3 – 6	32210-23-4	250-954-9	--
Terpenes and Terpenoids, clove-oil	3 – 6	68917-29-3	614-795-2	--
5-Methyl-2-isopropyl cyclohexanol (+/- Menthol)	0,3 – 3	15356-70-4	239-388-3	--
2-(1,1-Dimethylethyl)- cyclohexanol acetate	0,3 – 3	88-41-5	201-828-7	--
3-Phenylprop-2-enal (Cinnamaldehyde)	0,3 – 3	104-55-2	203-213-9	--
Ethyl butyrate	0,3 – 3	105-54-4	203-306-4	--
Citral	0,3 – 3	5392-40-5	226-394-6	605-019-00-3
2,4-Dimethylcyclohex-3-ene-1- carbaldehyde	0,3 - 3	68039-49-6	268-264-1	--
(<i>R</i>)- <i>p</i> -Mentha-1,8-diene d-Limonene	< 0,3	5989-27-5	227-813-5	601-029-00-7
Ginger, ext.	< 0,3	84696-15-1	283-634-2	--
Terpenes and Terpenoids, lemon-oil	< 0,3	68917-33-9	--	--

Classification of the components

Chemical name	Hazard pictograms	Classification	Concentration limits
Ethylene-vinyl acetate; copolymer*	The compound is not classified as dangerous compound.		
Benzyl benzoate	GHS07, GHS09	Acute Tox. 4, H302 Aquatic Chronic 2, H411	
2-Phenoxyethanol	GHS05, GHS07	Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H335	Eye Dam. 1, H318: c ≥ 3 %
3a,4,5,6,7,7a-hexahydro-4,7- methanoinden-6-yl acetate*	--	Aquatic Chronic 3, H412	
4-Tert-butylcyclohexyl acetate*	GHS07	Skin Sens. 1B, H317	Skin Sens. 1, H317: c ≥ 1 %
Terpenes and Terpenoids, clove-oil*	GHS08	Acute Tox. 4, H302 + H312 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317	Asp. Tox. 1, H304: c ≥ 10 % Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 %
5-Methyl-2-isopropyl cyclohexanol (+/- Menthol)	GHS07	Skin Irrit. 2, H315	Skin Irrit. 2, H315: c ≥ 10 %
2-(1,1-Dimethylethyl)- cyclohexanol acetate*	GHS09	Aquatic Chronic 2, H411	
3-Phenylprop-2-enal (Cinnamaldehyde)*	GHS07	Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 % Eye Irrit. 2, H319: c ≥ 10 %
Ethyl butyrate*	GHS02 GHS07	Flam. Liq. 3, H226 Eye Irrit. 2, H319	Eye Irrit. 2, H319: c ≥ 10 %
Citral	GHS07	Skin Irrit. 2, H315 Skin Sens. 1, H317	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 %
2,4-Dimethylcyclohex-3-ene-1- carbaldehyde*	GHS07	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	Skin Irrit. 2, H315: c ≥ 10 % Eye Irrit. 2, H319: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 %
(<i>R</i>)- <i>p</i> -Mentha-1,8-diene d-Limonene	GHS02 GHS07 GHS09	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 %

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Ginger, ext.*	GHS07	Skin Sens. 1, H317	Skin Sens. 1, H317: c ≥ 1 %
Terpenes and Terpenoids, lemon-oil*	GHS02 GHS07 GHS08 GHS09	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Sens. 1, H317 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	Asp. Tox. 1, H304: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 % Skin Irrit. 2, H315: c ≥ 10 %

Exact percentage and chemical identity has been withheld as a trade secret.

* The compound is not classified in the List of harmonized classification. For the classification were used data from databases and SDSs.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

In any health complication or in case of doubts, seek medical advice. Show this safety data sheet or the label to the doctor. In case of health problems, do basic life support. Keep unconscious person in recovery position, give nothing by mouth. Do not induce vomiting. In case of spontaneous vomiting avoid vomit aspiration.

Inhalation:

In relation to the product form, inhalation exposure is improbable. Remove the affected person to fresh air and keep warm and at rest. If breathing difficulties occur (lack of oxygen, irregular breathing), apply artificial respiration. In case of long-lasting breathing problems seek medical advice.

Skin contact:

Wash thoroughly by water and soap. If skin irritation or allergic reaction occurs, seek medical advice.

Eye contact:

Eye contact is improbable. Remove contact lenses, if present and easy to do. Rinse wide open eyes with plenty of water, from inner canthus to the outer, mainly the space under eyelids.

Ingestion:

Possibility of ingestion limited due to product form and difficulty to chew and ingest. In the event of ingestion, do not induce vomiting, rinse mouth thoroughly with water. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. The mixture, which is the product impregnated by, is classified as eyes damaging and irritating to skin. In the used form they does not mean any important hazard. During long lasting inhalation can cause headache.

4.3 Indication of any immediate medical attention and special treatment needed

In case of usual usage and if following the instructions for use no health hazards occur, immediate medical treatment is not necessary. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: The mixture is not flammable. Use extinguishing media appropriate for the surrounding fire (dry powder, CO₂, foam, water spray, mist).

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition under high temperatures or burning may release a variety of products from simple hydrocarbons to toxic/irritating gases including carbon monoxide and carbon dioxide. Do not breathe the decomposition products in.

5.3 Advice for firefighters:

Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

Other information: Control run-off water by containing and keeping it out of watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special requirements in case of accidental release. Keep usual safety requirements, avoid contact with skin.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the

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Environmental Agency or other appropriate regulatory body. The fragrance mixture is not washed into water. Avoid or minimise the creation of environmental contamination. Keep usual requirements to protect the environment.

- 6.3 Methods and material for containment and cleaning up
In relation to the product form the release is improbable. Prevent from releasing the unused product into the environment.
- 6.4 Reference to other sections:
Personal protective equipment – section 8. Unused mixture treatment – section 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling:
Keep away from direct flames, open fire and heating. Avoid contact with skin and eyes, use personal protective equipment. Respect the instructions in the label. Do not eat, drink and smoke in working area. Wash hands with soap and water after use and before break or eating. Keep general hygiene measures for handling.
- 7.2 Conditions for safe storage, including any incompatibilities:
Keep in cool, dry conditions in original containers at no more than 30° C.
Keep out of the reach of children. Store apart from food, beverages and feed.
Keep the user's instruction.
Quantity limits under storage conditions: not given
- 7.3 Specific end use(s): Urinal deodorizer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters: Not established
- 8.2 Exposure controls:
Avoid contact with skin and eyes. Respect the instructions in the label. Do not eat, drink and smoke in working area. Keep general hygiene measures for handling. After skin contact wash thoroughly. Adjust personal protective equipment to the character of the work.
- Eye/face protection:
Eye contact is improbable, eye protection is not necessary.
 - Skin protection:
Avoid long-lasting skin contact. Wash affected skin thoroughly.
 - Hand protection:
Protective gloves are recommended for contact with skin for sensitive people. – Follow the producer's recommendation. Material should be resistant to the substances of the mixture. Test before the first use. Change damaged gloves.
Sensitive people and allergic person should avoid skin contact with the product.
 - Respiratory protection:
Not needed.
 - Thermal hazards:
Not defined.
- Environmental exposure controls
Keep usual requirements to protect the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
- | | |
|---|--|
| Physical state: | Thermoplastic urinal screen infused with fragrance oil |
| Colour: | Red |
| Odour: | Kiwi grapefruit |
| Melting point/freezing point: | Cca 60 °C |
| Boiling point or initial boiling point and boiling range: | Not determined |
| Flammability (solid, gas): | The mixture is not flammable |
| Lower and upper explosion limit: Upper (% vol.): | The mixture is not explosive. |

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Lower limit (% vol.): --
Flash point: Not applied
Auto-ignition temperature: The mixture is not flammable
Decomposition temperature: Not determined
pH: Not determined
Kinematic viscosity (kinematic 40 °C): Not determined
Solubility: In water – insoluble
In fat – not determined
Partition coefficient *n*-octanol/water: Not determined
Vapour pressure (at 20 °C): Not determined/applicable
Density and/or relative density: Not determined
Relative vapour density (at 20 °C): Not determined
Particle characteristics: No defined particles

9.2 Other information: None

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:
If the user´s instructions are followed, there is no risk of dangerous reactions.
- 10.2 Chemical stability:
The mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- 10.3 Possibility of hazardous reactions:
Following recommended use directions there are no hazardous reactions.
- 10.4 Conditions to avoid:
Very high temperatures, open flames, contact with incompatible materials.
- 10.5 Incompatible materials:
Strong oxidizing agents. Avoid contact with usual household chemicals.
- 10.6 Hazardous decomposition products:
No decompositions under usual conditions. Thermal decomposition under high temperatures or burning may release a variety of products from simple hydrocarbons to toxic/irritating gases including carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

The mixture includes a small quantity of volatile fragrance chemicals which may contain small amounts of substances that can cause an allergic reaction, are harmful if swallowed and if on skin, irritating to the eyes and skin. In relation of the product form it constitutes any risk for human health.

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity:
The mixture is not classified as acute toxic by any way of exposure.
- Skin corrosion/irritation:
The mixture is classified as irritating to skin, category 2.
- Serious eye damage/irritation:
The mixture is classified as damaging to eyes, category 1.
- Respiratory or skin sensitisation:
The mixture is classified as sensitising to skin, category 1. May cause an allergic skin reaction.
- Germ cell mutagenicity:
Based on available data, the classification criteria are not met.
- Carcinogenicity:
Based on available data, the classification criteria are not met.
- Reproductive toxicity:
Based on available data, the classification criteria are not met.
- Specific target organ toxicity – single exposure:
Based on available data, the classification criteria are not met.

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Specific target organ toxicity – repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

The mixture contains no substances identified as having endocrine disrupting properties.
The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. The mixture, which is the product impregnated by, is classified as eyes damaging and irritating to skin. In the used form they does not mean any important hazard. During long lasting inhalation can cause headache.

SECTION 12: ECOLOGICAL INFORMATION

No specific information has been established regarding the product.

- | | | |
|------|------------------------------------|---|
| 12.1 | Toxicity | The impregnating mixture contains substances which are classified as harmful to aquatic organisms. The product is not classified cause of the physical state, article 9, paragraph 5 of Regulation (EC) No. 1272/2008. The leakage is improbable. |
| 12.2 | Persistence and degradability | Not determined/applicable |
| 12.3 | Bioaccumulative potential | Not determined/applicable |
| 12.4 | Mobility in soil | Not determined/applicable |
| 12.5 | Results of PBT and vPvB assessment | The mixture does not contain substances in the PBT and vPvB groups of Annex XIII of REACH as amended. |
| 12.6 | Endocrine disrupting properties | Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included. |
| 12.7 | Other adverse effects | Prevent leakage of larger amount of the mixture. Avoid entering the drains, soil and surface water or groundwater. |

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
Dispose in accordance with Local Authority requirements e.g., for used product, as household waste.

Container treatment: Dispose in accordance with national regulations, in the system of separated or communal waste.

SECTION 14: TRANSPORT INFORMATION

Basic information for transport:
Transport in appropriate containers. Comply with the prescribed labelling.
The transport of the mixture is not regulated after ADR, RID, ICAI/IATA, IMDG.

- | | | |
|------|---|-----------------|
| 14.1 | UN number or ID number | Not determined |
| 14.2 | UN proper shipping name | Not determined |
| 14.3 | Transport hazard class(es) | Not determined |
| 14.4 | Packing group | Not determined |
| 14.5 | Environmental hazards | Not determined |
| 14.6 | Special precautions for user | Not determined |
| 14.7 | Maritime transport in bulk according to IMO instruments | Not determined. |

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (CLP and amendments).
 - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and amendments.

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Notice:

Regulations listed above are only basic directives in this safety data sheet. Other additional regulations, which can add these above, may exist. We do refer to state, local and international laws and directions which may differ according to the country.

15.2 Chemical safety assessment

Chemical safety assessment has not been carried out for this mixture.

SECTION 16: OTHER INFORMATION

Hazard statements used in this safety data sheet:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations used in this safety data sheet:

Flam. Liq. 3 – Flammable liquids, category 3

Acute Tox. 4 – Acute toxicity, category 4

Asp. Tox. 1 – Aspiration toxicity, category 1

Skin Irrit. 2 – Skin corrosion/irritation, category 2

Skin Sens. 1 – Respiratory/skin sensitisation, category 1

Eye Dam. 1/Irrit. 2 – Serious damage to eyes/eye irritation, category 1, 2

Aquatic Acute 1 – Acute aquatic hazard, category 1

Aquatic Chronic 1, 2, 3 – Long-term aquatic hazard, category 1, 2, 3

PBT – persistent, bioaccumulative and toxic

vPvB – very persistent and very bioaccumulative

LD₅₀ – Lethal dose, 50 percent

ADR – Agreement on Dangerous Goods by Road – Europe

The mixture should be used only for the purpose defined in 1.2. Specific end uses are out of the supplier control, the user is responsible to fit the information from this safety data sheet to local directives and regulations. Safety data sheet describes the product from the point of safety. This information is not the technical information about the product.

Instructions for training and other measures:

Provide adequate information, instruction and training for operators.

Sources of information: Supplier's data and toxicological databases.

Revision changes: Changes of the fragrance mixture composition, adjustment of the classification of the mixture.

Declaration:

This safety data sheet contains information believed to be correct. It should be used only as a guide. It does not represent any guarantee of the properties of the product. Our company and its affiliates shall not be liable for any damage resulting from handling or from contact with the above product. User is responsible for handling according to existing laws and regulations.

This safety data sheet meets the requirements the actual standards OSHA Hazard Communication Standard (HCS) and European legal regulations. The mixture is classified according to the criteria given in the Annex I of the Regulation (EC) No. 1272/2008.