

Safety Data Sheet

ZEN ESSENCE BAMBOO



Safety Data Sheet dated 8/6/2022, version 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: ZEN ESSENCE BAMBOO

Trade code: 1799

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

Recommended use:

Car air freshener

Uses advised against:

Strictly adhere to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Sens. 1B, May cause an allergic skin reaction.

🌿 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H411 Toxic 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.

P103 Read carefully and follow all instructions.

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P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains Linalyl acetate. May produce an allergic reaction.

EUH208 Contains 3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde. May produce an allergic reaction.

EUH208 Contains linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool. May produce an allergic reaction.

EUH208 Contains Cineole. May produce an allergic reaction.

EUH208 Contains DELTA DAMASCONE. May produce an allergic reaction.

EUH208 Contains isoeugenol. May produce an allergic reaction.

Contains

[3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

$\geq 70\%$ - $< 80\%$ DIPROPYLENEGLYCOL MONOMETHYLETHER

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2

Substance with a Union workplace exposure limit.

$\geq 3\%$ - $< 5\%$ 2,6-dimethyloct-7-en-2-ol

REACH No.: 01-2119457274-37, CAS: 18479-58-8, EC: 242-362-4

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

$\geq 3\%$ - $< 5\%$

[3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

REACH No.: 01-2120228335-61, CAS: 2182025-97-2

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

$\geq 3\%$ - $< 5\%$ Terpineol

REACH No.: 01-2119553062-49, CAS: 98-55-5, EC: 232-268-1

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

$\geq 0.5\%$ - $< 1\%$ Linalyl acetate

REACH No.: 01-2119454789-19, CAS: 115-95-7, EC: 204-116-4

⚠ 3.2/2 Skin Irrit. 2 H315

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⚠ 3.4.2/1 Skin Sens. 1 H317

>= 0.5% - < 1% 3-(5,5,6-TRYMETHYLBICYCLO(2,2,1)HEPT-2-YL)CYCLOHEXAN-1-OL

REACH No.: 01-2119979583-21, CAS: 3407-42-9, EC: 222-294-1

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.5% - < 1% ISOBUTYL SALICYLATE

REACH No.: 01-2120767470-53, CAS: 87-19-4, EC: 201-729-9

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% 3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde

CAS: 67634-15-5

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% Allyl (cyclohexyloxy)acetate

CAS: 68901-15-5

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.25% - < 0.5% linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool

REACH No.: 01-2119474016-42, Index number: 603-235-00-2, CAS: 78-70-6, EC: 201-134-4

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 3.3/2 Eye Irrit. 2 H319

>= 0.1% - < 0.25% Cineole

REACH No.: 01-2119967772-24, CAS: 470-82-6, EC: 207-431-5

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.4.2/1B Skin Sens. 1B H317

>= 0.05% - < 0.1% DELTA DAMASCONE

CAS: 57378-68-4, EC: 260-709-8

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1A Skin Sens. 1A H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.02% - < 0.05% dipentene; limonene

Index number: 601-029-00-7, CAS: 138-86-3, EC: 205-341-0

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.001% - < 0.005% isoeugenol

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Index number: 604-094-00-X, CAS: 97-54-1, EC: 202-590-7

- ⚠ 3.1/4/Oral Acute Tox. 4 H302
- ⚠ 3.4.2/1A Skin Sens. 1A H317
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332
- ⚠ 3.8/3 STOT SE 3 H335

Specific Concentration Limits:

C >= 0,01%: Skin Sens. 1A H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media:

To carbon dioxide.

Foam

Water spray.

Not Recommended Extinguishing Media:

Do not use direct water jets.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.



SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Store in well-closed containers, preferably in a cool place, away from sources of heat and direct sunlight.
 - Keep away from food, drink and feed.
 - None in particular.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8
 - EU - TWA(8h): 308 mg/m3, 50 ppm - Notes: Skin
 - ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: Skin - Eye and URT irr, CNS impair
 - dipentene; limonene - CAS: 138-86-3
 - ACGIH - TWA: 140 mg/m3, 25 ppm - STEL: 300 mg/m3, 50 ppm
- DNEL Exposure Limit Values
 - N.A.
- PNEC Exposure Limit Values
 - N.A.
- 8.2. Exposure controls
 - Eye protection:
 - Safety goggles.
 - Face protection shield.
 - Compliant with EN 166
 - Protection for skin:
 - protective clothing
 - Protection for hands:

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Nitrile or Viton gloves.
Compliant with EN 374.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	79°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.934- 0.964	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			

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Particle size:	N.A.	--	--
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- 9.2. Other information
No other relevant information

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Excessive heat.
Flames and other sources of ignition.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

ZEN ESSENCE BAMBOO ML 4,5

- a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

Test: oecd 10 - Route: Skin > 5000 mg/kg

Test: oecd 10 - Route: Oral > 5000 mg/kg

Test: oecd 10 - Route: Inhalation > 100 mg/l

- b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

- c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

- d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1B H317

- e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

- f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

- g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

- h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

- i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

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j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 8740 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 3404 mg/kg

2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8

a) acute toxicity:

Test: LD50 - Route: Oral = 3600 mg/kg

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/m3

[3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene - CAS: 2182025-97-2

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral > 5000 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

Terpineol - CAS: 98-55-5

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral 4300 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

Linalyl acetate - CAS: 115-95-7

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral > 5000 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde - CAS: 67634-15-5

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral > 5000 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool - CAS: 78-70-6

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral = 2790 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

Cineole - CAS: 470-82-6

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral = 2480 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

DELTA DAMASCONE - CAS: 57378-68-4

a) acute toxicity:

Route: Oral > 5000 mg/kg

Route: Skin = 1600 mg/kg

Route: Inhalation > 100 mg/l

dipentene; limonene - CAS: 138-86-3

a) acute toxicity:

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Duration: 24h - Notes: Non diluito

Test: Skin Irritant - Route: Skin - Species: mam No - Duration: 48h

d) respiratory or skin sensitisation:

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Test: Skin Sensitization - Route: Skin - Species: Mouse Positive - Notes: Local Lymph Node Assay, usando soluzione limonene 22% in ethanol/DEP (72:25)
Test: GPMT - Route: Skin - Species: mam No - Notes: 20% in petrolatum

- 11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 1919 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia 0.5 mg/l - Duration h: 72
dipentene; limonene - CAS: 138-86-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.702 mg/l - Duration h: 96
- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.
Additional disposal information:
Reuse if possible. Act in accordance with the local and national laws in force.

SECTION 14: Transport information



- 14.1. UN number or ID number
ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082
- 14.2. UN proper shipping name
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ([3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-

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tetramethyl-1H-3a,7-methanoazulene, ISOBUTYL SALICYLATE)
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.([3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-
tetramethyl-1H-3a,7-methanoazulene, ISOBUTYL
SALICYLATE)
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.([3R-(3a,3aβ,6β,7β,8aa)]-octahydro-6-methoxy-3,6,8,8-
tetramethyl-1H-3a,7-methanoazulene, ISOBUTYL
SALICYLATE)

- 14.3. Transport hazard class(es)
ADR-Class: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant
IMDG-EmS: F-A,
S-F
- 14.6. Special precautions for user
ADR-Subsidiary hazards: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197
IATA-ERG: 9L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.
Limited Quantity: 5 L
Exempted Quantity: E1

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)

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Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 40

Restriction 75

Volatile Organic compounds - VOCs = 77.90 %

Volatile Organic compounds - VOCs = 779.00 g/Kg

Volatile Organic compounds - VOCs = 740.83 g/l

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: E2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4

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Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 11: Toxicological information
- SECTION 15: Regulatory information
- SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Sens. 1B, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of

Safety Data Sheet

ZEN ESSENCE BAMBOO



	Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.