

Safety Data Sheet dated 24/10/2022, version 2

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

1.1. Product identifier

Mixture identification

Trade name: ESSENCE AUTUMN

UFI: A1E3-00YT-J00D-MEJ6

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

Recommended use:

Air freshener for environments.

Professional use (SU22) - Air care products (PC3)

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

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

Special Provisions:

EUH208 Contains HEXYL CINNAMAL. May produce an allergic reaction.

EUH208 Contains BENZYL SALICYLATE. May produce an allergic reaction.

EUH208 Contains 4-TERT-BUTYLCYCLOHEXYLACETATE. May produce an allergic reaction.

EUH208 Contains 1-(1,2,3,4,5,6,7

,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE. May produce an allergic reaction.

EUH208 Contains HEXYL-2-HYDROXYBENZOATE. May produce an allergic reaction.

EUH208 Contains D-LIMONENE. May produce an allergic reaction.

EUH208 Contains 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE. May produce an allergic reaction.

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

May produce an allergic reaction.

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

Not Applicable, the product is a mixture.

3.2. Mixtures

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

$\geq 0.25\%$ - $< 0.5\%$ HEXYL CINNAMAL

CAS: 101-86-0, EC: 202-983-3



4.1/C1 Aquatic Chronic 1 H410 M=1.



4.1/A1 Aquatic Acute 1 H400 M=1.



3.4.2/1B Skin Sens. 1B H317

$\geq 0.25\%$ - $< 0.5\%$ BENZYL SALICYLATE

CAS: 118-58-1, EC: 204-262-9



3.4.2/1B Skin Sens. 1B H317



4.1/C2 Aquatic Chronic 2 H411

$\geq 0.1\%$ - $< 0.25\%$ 1-(1,2,3,4,5,6,7

,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE

REACH No.: 01-2119489989-04, CAS: 54464-57-2, EC: 259-174-3



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

$\geq 0.1\%$ - $< 0.25\%$ 4-TERT-BUTYLCYCLOHEXYLACETATE

REACH No.: 01-2119976286-24, CAS: 32210-23-4, EC: 250-954-9



4.1/C2 Aquatic Chronic 2 H411



3.4.2/1B Skin Sens. 1B H317

$\geq 0.1\%$ - $< 0.25\%$ HEXYL-2-HYDROXYBENZOATE


REACH No.: 01-2119638275-36, CAS: 6259-76-3, EC: 228-408-6




3.2/2 Skin Irrit. 2 H315

Safety Data Sheet ESSENCE AUTUMN

 3.4.2/1 Skin Sens. 1 H317

 4.1/A1 Aquatic Acute 1 H400

 4.1/C1 Aquatic Chronic 1 H410

>= 0.1% - < 0.25% D-LIMONENE

REACH No.: 01-2119529223-47, Index number: 601-029-00-7, CAS: 5989-27-5, EC: 227-813-5

 2.6/3 Flam. Liq. 3 H226

 4.1/A1 Aquatic Acute 1 H400 M=1.

 4.1/C1 Aquatic Chronic 1 H410 M=1.

 3.4.2/1B Skin Sens. 1B H317

 3.2/2 Skin Irrit. 2 H315

 3.10/1 Asp. Tox. 1 H304

>= 0.1% - < 0.25% 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE

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

 3.2/2 Skin Irrit. 2 H315

 3.3/2 Eye Irrit. 2 H319

 3.4.2/1B Skin Sens. 1B H317

>= 0.1% - < 0.25% 2,6-DI-TERT-BUTYL-P-CRESOL

REACH No.: 01-2119565113-46, CAS: 128-37-0, EC: 204-881-4

 4.1/A1 Aquatic Acute 1 H400 M=1.

 4.1/C1 Aquatic Chronic 1 H410

< 0.0015% METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE





Index number: 613-167-00-5, CAS: 55965-84-9, EC: 611-341-5

 3.1/2/Inhal Acute Tox. 2 H330

 3.1/2/Dermal Acute Tox. 2 H310

 3.1/3/Oral Acute Tox. 3 H301

 3.2/1B Skin Corr. 1B H314

-  3.3/1 Eye Dam. 1 H318
-  3.4.2/1A Skin Sens. 1A H317
-  4.1/A1 Aquatic Acute 1 H400 M=100.
-  4.1/C1 Aquatic Chronic 1 H410 M=100.

EUH071

Specific Concentration Limits:
C >= 0,6%: Skin Corr. 1B H314
0,06% <= C < 0.6%: Skin Irrit. 2 H315
0,06% <= C < 0.6%: Eye Irrit. 2 H319
C >= 0,0015%: Skin Sens. 1A H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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.
The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
For non emergency personnel:
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
For emergency responders:
Wear personal protection equipment.
- 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. To converge the product in containment tanks.
- 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 away from sunlight.
Store in a cool and well ventilated place.
Do not store in open or unlabeled containers.
Store away from heat sources.
Keep away from food, drink and feed.
Incompatible materials:
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
Until the revision date of this document, no experimental data are available for the mixture. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.
4-TERT-BUTYLCYCLOHEXYLACETATE - CAS: 32210-23-4
ACGIH - TWA(8h): 713 mg/m³ - STEL(15min): 950 mg/m³ - Notes: TLV

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

ACGIH - TWA(8h): 2 mg/m³ - Notes: (IFV), A4 - URT irr

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

D-LIMONENE - CAS: 5989-27-5

Worker Industry: 66.7 mg/m³ - Consumer: 16.6 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 9.5 mg/kg - Consumer: 4.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 4.8 mg/m³ - Exposure: Human Oral - Frequency: Long Term, local effects

3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE - CAS: 115-95-7

Worker Industry: 2.75 mg/m³ - Consumer: 0.68 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 2.5 mg/kg - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.20 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

Worker Industry: 0.5 mg/kg - Consumer: 0.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/d

Worker Industry: 3.5 mg/m³ - Consumer: 0.86 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: bw/d

Worker Industry: 0.5 mg/kg - Consumer: 0.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

D-LIMONENE - CAS: 5989-27-5

Target: Fresh Water - Value: 0.014 mg/l

Target: Marine water - Value: 0.14

Target: Marine water sediments - Value: 0.385 mg/kg

Target: Freshwater sediments - Value: 3.85 mg/kg

Target: Soil (agricultural) - Value: 0.763 mg/kg

Target: Food chain - Value: 133 mg/kg

Target: Microorganisms in sewage treatments - Value: 1.8 mg/l

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

Target: Marine water - Value: 0.0000199 mg/l

Target: Fresh Water - Value: 0.000199 mg/l

Target: Marine water sediments - Value: 0.00996 mg/kg

Target: Freshwater sediments - Value: 0.0996 mg/kg

Target: Air - Value: 0.000199 mg/l

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	Visual	--
Colour:	colorless/yellow	Visual	--
Odour:	Fresh	Olfactory	--
Odour threshold:	Evident	Olfactory	--
Melting point/freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	≥ 100 °C	--	Estimated value on chemical / physical properties of components
Flammability:	non-flammable	--	Estimated parameter on chemical / physical properties of components.
Lower and upper explosion limit:	Not Relevant	--	Parameter not relevant for the type of product
Flash point:	> 60 °C	--	Estimated value on chemical / physical properties of components
Auto-ignition temperature:	Not Relevant	--	Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant	--	Parameter not relevant for the type of product
pH:	5,5 +/- 1,0	Instrumental control	--
Kinematic viscosity:	Not applicable	--	--
Solubility in water:	Total	--	Internal tests
Solubility in oil:	Partial	--	Internal tests
Partition coefficient n-octanol/water (log value):	< 1000	--	Value estimated based on the solubility of the mixture.
Vapour pressure:	Not Relevant	--	Parameter not relevant for the type of product
Density and/or relative density:	1.014 g/ml	Instrumental control	--
Relative vapour density:	Not Relevant	--	Parameter not relevant for the type of product

Particle characteristics:

Particle size:	Not applicable	--	--
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9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
Do not use in combination with other products.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

Avoid direct sunlight and exposure to heat sources.

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Do not use in combination with other products.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

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

Not classified

Based on available data, the classification criteria are not met

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

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:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

HEXYL CINNAMAL - CAS: 101-86-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 2300 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h

BENZYL SALICYLATE - CAS: 118-58-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2227 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 14150 mg/kg

1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE - CAS: 54464-57-2

a) acute toxicity:

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

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

4-TERT-BUTYLCYCLOHEXYLACETATE - CAS: 32210-23-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rabbit = 3200 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 17600 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 390 ppm - Duration: 4h

HEXYL-2-HYDROXYBENZOATE - CAS: 6259-76-3

a) acute toxicity:

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

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

D-LIMONENE - CAS: 5989-27-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

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

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2930 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant Negative

c) serious eye damage/irritation:

Test: Eye Irritant Negative

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization Negative

e) germ cell mutagenicity:

Test: Mutagenesis Negative

f) carcinogenicity:

Test: Carcinogenicity Negative

g) reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Mouse = 100 mg/kg bw/d

i) STOT-repeated exposure:

Test: NOAEL - Species: Rat = 25 mg/kg bw/d - Notes: digestive, urogenital, glandular

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) acute toxicity:

Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.31 mg/l - Duration: 4h

- b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin Positive
- c) serious eye damage/irritation:
Test: Eye Corrosive Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Positive

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.

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

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The product is classified: Aquatic Chronic 3 - H412

HEXYL CINNAMAL - CAS: 101-86-0

a) Aquatic acute toxicity:

Endpoint: LC50 = 0.11 mg/l

4-TERT-BUTYLCYCLOHEXYLACETATE - CAS: 32210-23-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 17 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 320 mg/l - Duration h: 96 - Notes: Scenedesmus subspicatus

HEXYL-2-HYDROXYBENZOATE - CAS: 6259-76-3

a) Aquatic acute toxicity:

Endpoint: LC50 = 0.11 mg/l

Endpoint: EC50 = 0.11 mg/l

D-LIMONENE - CAS: 5989-27-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.720 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 0.85 mg/l - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 0.32 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.199 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.48 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.758 mg/l - Duration h: 72

Endpoint: NOEC - Species: Daphnia = 0.15 mg/l

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72 - Notes: Selenastrum capricornutum

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture.

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Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

D-LIMONENE - CAS: 5989-27-5

Biodegradability: Readily biodegradable - Test: OECD 301D - Duration: 28 days - %: 80

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

Biodegradability: Non-readily biodegradable

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

2,6-DI-TERT-BUTYL-P-CRESOL - CAS: 128-37-0

Bioaccumulation: Not bioaccumulative - Test: Log Pow - Partition coefficient 5.1

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 598.4 -

Notes: EPI-Suite, BCFWIN v2.17

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Not applicable

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

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

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. Do not discharge into the ground or into drains.

See also section 6.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

- Not applicable
14.7. Maritime transport in bulk according to IMO instruments
Not applicable

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)
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)

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

None

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
- None

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

A Chemical Safety Assessment has been carried out for the mixture.

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

Full text of phrases referred to in Section 3:

- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.
- H315 Causes skin irritation.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.

H330 Fatal if inhaled.
 H310 Fatal in contact with skin.
 H301 Toxic if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
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
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
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. 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
Aquatic Chronic 3, H412	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 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.
- EC0/10/20/50/ Effective concentration, for 0/10/20/50/100 percent of test population.

Safety Data Sheet
ESSENCE AUTUMN

100:	
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.
LC0/10/20/50/100:	Lethal concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/100:	Lethal dose, for 0/10/20/50/100 percent of test population.
NOEC:	No Observed Effect Concentration
NOAEL(R)/N	No Observed Adverse Effect Level(Repeated)/Concentration
OAEC:	
OECD:	Organisation for Economic Co-operation and Development
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.

Safety Data Sheet
ESSENCE AUTUMN



PROFESSIONAL PRODUCT NON AEROSOL – AIR FRESHENER

Title of exposure scenario	
Air freshener: Manual process	
Use description	
Sector Use	SU22 – Professional use
Product Category	PC3 – Air care products
Description of activities/process considered on exposure scenario.	
Use following the use instruction as specified on the label.	
Frequency and duration	
Use phase	Continuous release once product has been activated. The average duration, in normal use, is indicated on the label.
Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.	
Physical appearance and concentration	
Solid or Gel.	
In section 2 of the SDS of product and on the label the classification of mixture is provided.	
Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.	
Use conditions	
Room temperature	
Good general ventilation at workplace is sufficient.	
Follow use instruction on the label of product.	
Do not damage or puncture the container. Follow instruction specified on the label or on SDS for storage and disposal consideration.	
Protection	
No direct contact with product, if used correctly.	
See section 8 of the SDS of product to more information on PPE.	Training of worker to use and maintenance of PPE is supposed.
Don't eat or drink, don't smoke.	Avoid contact with damaged skin.
No open flame.	Do not use in combination with other products
Wash hand after use.	
See section 6 of the SDS in case of accidental release	
Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS.	
Environmental measures	
See section 6 of the SDS in case of accidental release	
See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.	
See section 13 of the SDS for disposal considerations.	

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment