

Safety Data Sheet
FRESCA FOGLIA BOCCETTINO VETIVER
DEODORANTE ML 4,5



Safety Data Sheet dated 4/7/2019, version 6

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

1.1. Product identifier

Mixture identification:

Trade name: FRESCA FOGLIA BOCCETTINO VETIVER DEODORANTE
ML 4,5

Trade code: 1662

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

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

Centro Antiveneni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

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

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:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.



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P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves and eye/face protection.

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

Special Provisions:

None

Contains

Linalool

Ciclohexanol-4-(1,1-dimethylethyl)-acetate: May produce an allergic reaction.

3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (E ISOMERI): May produce an allergic reaction.

Nerol: May produce an allergic reaction.

bicyclo&tricyclovetiverol: May produce an allergic reaction.

Eugenol: May produce an allergic reaction.

2,6-OCTADIENAL,3,7-DIMETHYL: May produce an allergic reaction.

OTNE [1-(1,2,3,4,5,6,7,8-Octanhydro-2,3,8,tetramethyl-2-naphthalenyl)-ethanone]: May produce an allergic reaction.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde: May produce an allergic reaction.

Geraniol: May produce an allergic reaction.

Citronellol: May produce an allergic reaction.

HYDROXYCITRONELLAL: May produce an allergic reaction.

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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:

>= 40% - < 50% Dipropylen glycol methyl ether

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

Substance with a Union workplace exposure limit.

>= 10% - < 12.5% 2,6 -dimethyloct-7-en-2-ol

CAS: 18479-58-8, EC: 242-362-4

⚠ 3.3/2 Eye Irrit. 2 H319

>= 5% - < 7% Linalyl 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

>= 5% - < 7% 2,6,6,8-TETRAMETHYLTRICYCLO(5,3,1,0UNDECA)8-YL ACETATE

CAS: 77-54-3, EC: 201-036-1

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 3% - < 5% Linalool

REACH No.: 01-2119474016-42, 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



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- >= 3% - < 5% 3-(5,5,6-TRIMETHYLBICYCLO(2,2,1)HEPT-2-YL)CYCLOHEX
REACH No.: 01-2119979583-21, CAS: 3407-42-9, EC: 222-294-1
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 3% - < 5% P-MENTH-1-EN-8-YL ACETATE
CAS: 8007-35-0
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 3% - < 5% PHENYL ETHYL ALCOHOL
REACH No.: 01-2119963921-31, CAS: 60-12-8, EC: 200-456-2
⚠ 3.1/4/Oral Acute Tox. 4 H302
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 3% - < 5% 1-(2,2,6-TRIMETHYLCYCLOHEXYL)-3-HEXANOL
CAS: 70788-30-6
⚠ 3.2/2 Skin Irrit. 2 H315
- >= 3% - < 5% 1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE
CAS: 58430-94-7
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 0.5% - < 1% Ciclohexanol-4-(1,1-dimethylethyl)-acetate
CAS: 32210-23-4, EC: 250-954-9
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.5% - < 1% 3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (E ISOMERI)
CAS: 81786-75-6
⚠ 3.4.2/1 Skin Sens. 1 H317
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 0.5% - < 1% bicyclo&tricyclovetiverol
CAS: 89-88-3, EC: 201-949-5
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.5% - < 1% Nerol
REACH No.: 01-2119983244-33, CAS: 106-25-2, EC: 203-378-7
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.3/1 Eye Dam. 1 H318
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.5% - < 1% Eugenol
CAS: 97-53-0, EC: 202-589-1
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 0.5% - < 1% 2,6-OCTADIENAL,3,7-DIMETHYL
CAS: 147060-73-9, EC: 291-768-8
⚠ 2.6/3 Flam. Liq. 3 H226
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
4.1/C3 Aquatic Chronic 3 H412
- >= 0.5% - < 1% 2,4-dimethylcyclohex-3-ene-1-carbaldehyde



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CAS: 68039-49-6

- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.4.2/1B Skin Sens. 1B H317
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% OTNE [1-(1,2,3,4,5,6,7,8-Octanhydro-2,3,8,8tetramethyl-2-naphthalenyl)-ethanone]
REACH No.: 01-2119489989-04, CAS: 54464-57-2, EC: 915-730-3

- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.4.2/1 Skin Sens. 1 H317
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.25% - < 0.5% Geraniol

CAS: 106-24-1

- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 4.1/C2 Aquatic Chronic 2 H411
- ⚠ 3.3/1 Eye Dam. 1 H318
- ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

>= 0.25% - < 0.5% Citronellol

CAS: 106-22-9

- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.4.2/1 Skin Sens. 1 H317
- ⚠ 3.3/2 Eye Irrit. 2 H319

>= 0.25% - < 0.5% HYDROXYCITRONELLAL

CAS: 107-75-5, EC: 203-518-7

- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B 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.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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

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

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SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Appropriate Extinguishing Media:
 - Not Recommended Extinguishing Media:
- 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
 - 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
 - Dipropylen glycol methyl ether - CAS: 34590-94-8
 - 20101.10 - TWA(8h): 308 mg/m³, 50 ppm
 - 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



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DNEL Exposure Limit Values

Dipropylen glycol methyl ether - CAS: 34590-94-8

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, local effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 310 mg/m³ - Consumer: 37.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 65 mg/kg - Consumer: 15 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Dipropylen glycol methyl ether - CAS: 34590-94-8

Target: Fresh Water - Value: 19 mg/l

Target: Marine water - Value: 1.9 mg/l

Target: Marine water sediments - Value: 7.02 mg/kg

Target: Freshwater sediments - Value: 70.2 mg/kg

Target: 09 - Value: 4168 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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:
Appearance and colour:	Liquid Yellow	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	75°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--

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Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0,917	--	--
Solubility in water:	Non Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

NA=not applicable

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
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1B H317

e) germ cell mutagenicity

Based on available data, the classification criteria are not met

f) carcinogenicity

Based on available data, the classification criteria are not met

g) reproductive toxicity

Based on available data, the classification criteria are not met

h) STOT-single exposure

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Based on available data, the classification criteria are not met

j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Dipropylen glycol methyl ether - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4000 mg/kg

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

Test: LC50 - Route: Inhalation - Species: Rat 3.35 mg/l - Duration: 4h

Linalyl acetate - CAS: 115-95-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 9000 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 12000 mg/kg

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

PHENYL ETHYL ALCOHOL - CAS: 60-12-8

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit 2535 mg/kg

Nerol - CAS: 106-25-2

a) acute toxicity:

Test: LD50 - Route: Oral 4500 mg/kg

g) reproductive toxicity:

Test: NOAEL 6000 mg/kg

2,4-dimethylcyclohex-3-ene-1-carbaldehyde - CAS: 68039-49-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3900 mg/kg

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



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SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Dipropylen glycol methyl ether - CAS: 34590-94-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 10000 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 1919 mg/l - Duration h: 48
Endpoint: CE5 - Species: Algae 4168 mg/l - Duration h: 72
Linalyl acetate - CAS: 115-95-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 15 mg/l - Duration h: 48
Endpoint: NOEC - Species: Algae = 9.6 mg/l - Duration h: 72
PHENYL ETHYL ALCOHOL - CAS: 60-12-8
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 287.17 mg/l - Duration h: 48
- 12.2. Persistence and degradability
None
Dipropylen glycol methyl ether - CAS: 34590-94-8
Biodegradability: Readily biodegradable - %: 1000-10000
- 12.3. Bioaccumulative potential
Dipropylen glycol methyl ether - CAS: 34590-94-8
Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.0043
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. 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.

SECTION 14: Transport information

- 14.1. UN number
UN number: UN 3082
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No



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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) 2015/830
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)

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

Restriction 40

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 59.65 %

Volatile Organic compounds - VOCs = 596.51 g/Kg

Volatile Organic compounds - VOCs = 550.58 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

None

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:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

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Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
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. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
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

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory 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 Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method
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.



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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.
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.