



Safety Data Sheet dated 8/7/2021, version 6

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

1.1. Product identifier

Mixture identification:

Trade name: Fresca Foglia Rio

Trade code: 1400

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 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:

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 carefully and follow all instructions.

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains 3,7-dimethyl-3-octanol. May produce an allergic reaction.
EUH208 Contains 2-(2,2,7,7-TETRAMETHYLTRICYCLO[6.2.1.0((1,6)]UNDEC-5 AND 4-EN-5YL)PROPAN-1-OL. May produce an allergic reaction.
EUH208 Contains CITRONELLOL. May produce an allergic reaction.
EUH208 Contains DELTA DAMASCONE. May produce an allergic reaction.

Contains

PARA-TERT-BUTYLCYCLOHEXYL ACETATE

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:

$\geq 50\%$ - $< 60\%$ DIPROPYLENEGLYCOL MONOMETHYLEETHER
REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2
Substance with a Union workplace exposure limit.

$\geq 7\%$ - $< 10\%$ PARA-TERT-BUTYLCYCLOHEXYL ACETATE
REACH No.: 01-2119976286-24, CAS: 32210-23-4, EC: 250-954-9
⚠ 3.4.2/1B Skin Sens. 1B H317

$\geq 5\%$ - $< 7\%$ raspberry ketone
CAS: 5471-51-2, EC: 226-806-4
⚠ 3.1/4/Oral Acute Tox. 4 H302

$\geq 5\%$ - $< 7\%$ 3,7-dimethyl-3-octanol
REACH No.: 01-2119454788-21, CAS: 78-69-3, EC: 201-133-9
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1 Skin Sens. 1 H317
⚠ 3.3/2 Eye Irrit. 2 H319

$\geq 5\%$ - $< 7\%$ Dimethyl benzyl carbinyl acetate
CAS: 151-05-3, EC: 205-781-3
4.1/C3 Aquatic Chronic 3 H412

$\geq 5\%$ - $< 7\%$ Undecalactone/gamma
REACH No.: 01-2119959333-34, CAS: 104-67-6, EC: 203-225-4
4.1/C3 Aquatic Chronic 3 H412

$\geq 1\%$ - $< 2\%$ 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol
REACH No.: 01-0000015458-64, CAS: 63500-71-0, EC: 405-040-6
⚠ 3.3/2 Eye Irrit. 2 H319

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- >= 1% - < 2% 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)
REACH No.: 01-2119488227-29, Index number: 603-212-00-7, CAS: 1222-05-5, EC: 214-946-9
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 1% - < 2% 1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE
REACH No.: 01-2119972325-34, CAS: 58430-94-7, EC: 261-245-9
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 0.5% - < 1% 2-(2,2,7,7-TETRAMETHYLTRICYCLO[6.2.1.0((1,6)]UNDEC-5 AND
4-EN-5YL)PROPAN-1-OL
CAS: 1001252-30-7, EC: 482-030-8
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1 Skin Sens. 1 H317
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 0.5% - < 1% CITRONELLOL
REACH No.: 01-2119453995-23, CAS: 106-22-9, EC: 203-375-0
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 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

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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 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



SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Appropriate Extinguishing Media:
 - To water.
 - To carbon dioxide.
 - 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
 - Do not store this material near food and drinks.
 - 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

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ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: Skin - Eye and URT irr, CNS impair

DNEL Exposure Limit Values

raspberry ketone - CAS: 5471-51-2

Worker Industry: 114.24 mg/m³ - Consumer: 59.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 170 mg/kg - Consumer: 170 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 17 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol - CAS: 63500-71-0

Worker Industry: 12.2 mg/m³ - Consumer: 3.62 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: ECHA

Worker Industry: 3.47 mg/kg - Consumer: 2.08 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: ECHA

Consumer: 1.04 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

PVC (polyvinyl chloride).

Neoprene.

Nitrile.

Nitrile.

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.	--	--

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Lower and upper explosion limit:	N.A.	--	--
Flash point:	>61 °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:	0,953	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

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 at normal ambient temperatures and when used as recommended.
- 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.

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
Fresca Foglia Rio
a) acute toxicity

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- 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
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
- 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 MONOMETHYLEETHER - CAS: 34590-94-8
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg
- PARA-TERT-BUTYLCYCLOHEXYL ACETATE - CAS: 32210-23-4
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3370 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 4680 mg/kg
- 3,7-dimethyl-3-octanol - CAS: 78-69-3
- c) serious eye damage/irritation:
Test: Eye Irritant Positive
- d) respiratory or skin sensitisation:
Test: OECD TG 403 - Route: Inhalation = 0.885 mg/m³
- e) germ cell mutagenicity:
Test: NOAEL - Species: esseri umani 500 mg/kg - Notes: maternal
Test: NOAEL - Species: esseri umani 1000 mg/kg - Notes: foetal
- g) reproductive toxicity:
Test: NOAEL 500 mg/kg
- Undecalactone/gamma - CAS: 104-67-6
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
- 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol - CAS: 63500-71-0
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
- b) skin corrosion/irritation:

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Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) - CAS: 1222-05-5

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 6500 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 4640 mg/kg

1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE - CAS: 58430-94-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4250 mg/kg - Notes: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Notes: OECD 402

CITRONELLOL - CAS: 106-22-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3450 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 2650 mg/kg

b) skin corrosion/irritation:

Test: Eye Irritant Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization 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.

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

PARA-TERT-BUTYLCYCLOHEXYL ACETATE - CAS: 32210-23-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 5.3 mg/l

Endpoint: EC50 - Species: Fish 22 mg/l

Endpoint: EC50 - Species: Fish 8.6 mg/l

Endpoint: EC50 - Species: Fish 6.8 mg/l

Undecalactone/gamma - CAS: 104-67-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 5.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 5.853 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 5.94 mg/l - Duration h: 48

2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol - CAS: 63500-71-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 354 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 320 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 94 mg/l - Duration h: 72

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) - CAS: 1222-05-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish = 0.452 mg/l

Endpoint: LC50 - Species: Daphnia > 0.9 mg/l - Duration h: 48

1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE - CAS: 58430-94-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 5.4 mg/l - Duration h: 24 - Notes: OECD 202

Endpoint: EC50 - Species: Algae > 3.8 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 7.7 mg/l - Duration h: 96 - Notes: OECD 203

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CITRONELLOL - CAS: 106-22-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 14.66 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 17.48 mg/l - Duration h: 48

Endpoint: CE6 - Species: Algae 2.4 mg/l - Duration h: 72

12.2. Persistence and degradability

None

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) - CAS: 1222-05-5

Biodegradability: Non-readily biodegradable - %: 2 - Notes: Saggio di Sturm modificato

CITRONELLOL - CAS: 106-22-9

Biodegradability: Readily biodegradable

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

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. Maritime transport in bulk according to IMO instruments

No

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)

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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:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 4.90 %

Volatile Organic compounds - VOCs = 49.00 g/Kg

Volatile Organic compounds - VOCs = 46.70 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:

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4

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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
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
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.

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).

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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.