



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

**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

Centro Antiveleni 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 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 label before use.

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

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

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

Special Provisions:

None

Contains

PARA-TERT-BUTYLCYCLOHEXYL ACETATE

3,7-dimethyl-3-octanol: May produce an allergic reaction.

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.

CITRONELLOL: May produce an allergic reaction.

DELTA DAMASCONE: 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

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### 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:

>= 60% - < 70% DIPROPYLENEGLYCOL MONOMETHYLEETHER

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

Substance with a Union workplace exposure limit.

>= 5% - < 7% raspberry ketone

CAS: 5471-51-2, EC: 226-806-4

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 5% - < 7% 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

>= 5% - < 7% Dimethyl benzyl carbinyl acetate

CAS: 151-05-3, EC: 205-781-3

4.1/C3 Aquatic Chronic 3 H412

>= 5% - < 7% Undecalactone/gamma

REACH No.: 01-2119959333-34, CAS: 104-67-6, EC: 203-225-4

4.1/C3 Aquatic Chronic 3 H412

>= 3% - < 5% 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

>= 3% - < 5% 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

>= 1% - < 2% HHCB

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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

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#### 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 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:  
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.

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#### 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

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#### 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

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8  
EU - TWA(8h): 308 mg/m<sup>3</sup>, 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/m<sup>3</sup> - Consumer: 59.5 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Consumer: 3.62 mg/m<sup>3</sup> - 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.

#### 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:
Appearance and colour:	Deodorante in cartonfeltro	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--

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Flash point:	>61 °C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0,953	--	--
Solubility in water:	N.A.	--	--
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 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.

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- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

#### 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

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

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

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:

DIPROPYLENEGLYCOL MONOMETHYLETHER - 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

Test: LD50 - Route: Skin - Species: Rabbit > 4680

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:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative



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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/m<sup>3</sup>

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

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

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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.

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

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:



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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

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

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. Other adverse effects

None

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### 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.

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### SECTION 14: Transport information

14.1. UN 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. 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)

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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:

No restriction.

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:

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

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

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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

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 15: Regulatory information  
SECTION 16: Other information

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

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
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.

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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.