



## Safety Data Sheet

### 10210 HEPI 5 drops 55 gr Ocean

Safety Data Sheet dated 25/10/2018, version 3  
Conforms to Regulation (EC) No. 830/2015

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

##### 1.1. Product identifier

Trade name: 10210  
HEPI 5 drops 55 gr Ocean  
Trade code: 5706

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

Recommended use:  
Household WC detergent

##### 1.3. Details of the supplier of the safety data sheet

Company:  
RE.LE.VI. S.p.A. - Via Postumia n.1- 46040 RODIGO Mantova - Italia  
Phone +39.0376.684011 - FAX +39.0376.658076  
www.relevi.it - info@relevi.it

Competent person responsible for the safety data sheet:  
sds@relevi.it

##### 1.4. Emergency telephone number

Company +39 0376 780632 (24/24h - 7/7d - Italian/English)

#### 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.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- 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:



Danger

Hazard statements:

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- 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.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

Special Provisions:





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EUH208 Contains LINALOOL. May produce an allergic reaction.  
EUH208 Contains CITRAL. May produce an allergic reaction.  
EUH208 Contains delta-damascone. May produce an allergic reaction.  
EUH208 Contains Methyl Octyne Carbonate. May produce an allergic reaction.

Contains  
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts  
Sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Composition - Reg (EC) n ° 648/2004

Contains:

anionic surfactants

30 % and  
more

The product also contains:

Perfumes

Allergens:

LINALOOL, CITRONELLOL, COUMARIN, CITRAL

Preservatives:

--

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:

Qty	Name	Ident. Number		Classification
>= 30% - < 40%	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS:	68411-30-3	⚠ 3.1/4/Oral Acute Tox. 4 H302 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318
		EC:	270-115-0	
		REACH No.:	01-2119489428-22	
>= 7.5% - < 10%	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	CAS:	68439-57-6	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318
		EC:	931-534-0	
		REACH No.:	01-2119513401-57	
>= 0.1% - < 0.25%	LINALOOL	Index number:	603-235-00-2	⚠ 3.4.2/1B Skin Sens. 1B H317
		CAS:	78-70-6	
		EC:	201-134-4	
		REACH No.:	01-2119474016-42	
>= 0.1% - < 0.25%	CITRAL	Index number:	605-019-00-3	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.4.2/1B Skin Sens. 1B H317
		CAS:	5392-40-5	
		EC:	226-394-6	
		REACH No.:	01-2119462829-23	
< 0.1%	delta-damascone	CAS:	57378-68-4	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.
		EC:	260-709-8	



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				3.4.2/1A Skin Sens. 1A H317 3.2/2 Skin Irrit. 2 H315 4.1/C1 Aquatic Chronic 1 H410 M=1.
< 0.1%	Methyl Octyne Carbonate	CAS: EC:	111-80-8 203-909-2	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/C3 Aquatic Chronic 3 H412
< 0.1%	ALPHA-CEDRENE	CAS: EC:	469-61-4 207-418-4	3.10/1 Asp. Tox. 1 H304 4.1/A1 Aquatic Acute 1 H400 M=10. 4.1/C1 Aquatic Chronic 1 H410 M=10.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.  
OBTAIN IMMEDIATE MEDICAL ATTENTION.  
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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 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.



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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.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

##### 7.2. Conditions for safe storage, including any incompatibilities

None in particular  
Keep away from food, drink and feed.  
Incompatible materials:  
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

CITRAL - CAS: 5392-40-5  
ACGIH - TWA(8h): 5 ppm - Notes: (IFV), Skin, DSEN, A4 - Body weight eff, URT irr, eye dam

##### DNEL Exposure Limit Values

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3  
Worker Professional: 170 mg/kg - Consumer: 85 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Professional: 12 mg/m<sup>3</sup> - Consumer: 3 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 0.85 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6  
Worker Professional: 2158.33 mg/kg - Consumer: 1295 mg/kg - Exposure: Human Dermal - Frequency: Long



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Term, systemic effects  
Worker Professional: 152.22 mg/m<sup>3</sup> - Consumer: 45.04 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 12.95 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
LINALOOL - CAS: 78-70-6  
Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Professional: 2.8 mg/m<sup>3</sup> - Consumer: 0.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 15 mg/cm<sup>3</sup> - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects  
Consumer: 4.1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 5 mg/kg - Consumer: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects  
PNEC Exposure Limit Values  
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3  
Target: Fresh Water - Value: 0.268 mg/l  
Target: Marine water - Value: 0.0268 mg/l  
Target: wastewater treatment plant - Value: 3.43 mg/l  
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6  
Target: Fresh Water - Value: 0.024 mg/l  
Target: Marine water - Value: 0.0024 mg/l  
Target: Freshwater sediments - Value: 0.767 mg/kg  
Target: Marine water sediments - Value: 0.0767 mg/kg  
Target: Microorganisms in sewage treatments - Value: 4 mg/l  
LINALOOL - CAS: 78-70-6  
Target: Fresh Water - Value: 0.2 mg/l  
Target: Marine water - Value: 0.02 mg/l  
Target: Freshwater sediments - Value: 2.22 mg/l  
Target: Marine water sediments - Value: 0.222 mg/kg  
Target: Soil (agricultural) - Value: 0.327 mg/kg

#### 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:	Solid	--	--
Colour:	Light blue - Purple	--	--
Odour:	Ocean	--	--
Odour threshold:	Not available	--	--



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pH (sol. 1%):	7.0± 2.0	--	--
Melting point / freezing point:	Not available	--	--
Initial boiling point and boiling range:	Not available	--	--
Flash point:	Not available	--	--
Evaporation rate:	Not available	--	--
Solid/gas flammability:	Not flammable	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Not available	--	--
Vapour density:	Not available	--	--
Relative density:	Not available	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups relevant properties	N.A.	--	--

## 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



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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 toxicological effects

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

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

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:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

a) acute toxicity:

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

Test: LD50 - Route: Oral - Species: Rat = 1080 mg/kg

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin Negative

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 52 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 6300 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 2079 mg/kg

LINALOOL - CAS: 78-70-6

a) acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rabbit = 5610 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 2200 mg/kg

b) skin corrosion/irritation:



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Test: Skin Irritant - Route: Skin - Species: Rabbit Positive  
CITRAL - CAS: 5392-40-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4950 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 2250 mg/kg

delta-damascone - CAS: 57378-68-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 1821 mg/kg

Methyl Octyne Carbonate - CAS: 111-80-8

a) acute toxicity:

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

ALPHA-CEDRENE - CAS: 469-61-4

a) acute toxicity:

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

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

## SECTION 12: Ecological information

Adopt good working practices, so that the product is not released into the environment.

### 12.1. Toxicity

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The product is classified: Aquatic Chronic 3 - H412

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 2.9 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 1.67 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 3.1 mg/l - Duration h: 360

Endpoint: NOEC - Species: Daphnia = 1.41 mg/l - Duration h: 540

Endpoint: NOEC - Species: Fish = 0.268 mg/l - Duration h: 672

c) Bacteria toxicity:

Endpoint: EC50 = 550 mg/l - Duration h: 3

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 4.53 mg/l - Duration h: 48 - Notes: OECD 202 Daphnia sp. - Acute Immobilisation Test

Endpoint: EC50 - Species: Algae = 5.2 mg/l - Duration h: 72 - Notes: ISO 10253:2006

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 6.3 mg/l - Notes: OECD 211 Daphnia Magna - Reproduction Test

Endpoint: NOEC - Species: Algae = 3.2 mg/l - Duration h: 72 - Notes: ISO 10253:2006

LINALOOL - CAS: 78-70-6

a) Aquatic acute toxicity:

Endpoint: EC50 = 141.4 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 59 mg/l - Duration h: 48

Endpoint: EC50 > 100 mg/l - Duration h: 3

Endpoint: LC50 - Species: Fish = 27.8 mg/l - Duration h: 96

CITRAL - CAS: 5392-40-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 16 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae = 19 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish = 4.6-10 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 7 mg/l - Duration h: 48

ALPHA-CEDRENE - CAS: 469-61-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.05 mg/kg

b) Aquatic chronic toxicity:

Endpoint: LC50 = 0.09 g/kg

### 12.2. Persistence and degradability

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

Biodegradability: Readily biodegradable - Test: BIODG06 - Duration: 28GG - %: 85 - Notes: OECD 301B Ready biodegradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a





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detergent manufacturer.

#### 12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

Bioaccumulation: .2 - Test: Kow - Partition coefficient 3.32 - Duration: N.A. - Notes: 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

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

### 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

N.A.

### 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)





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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 40

Restrictions related to the substances contained:

No restriction.

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.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
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 3	4.1/C3	Chronic (long term) aquatic hazard, category 3



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Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 3: Composition/information on ingredients  
SECTION 8: Exposure controls/personal protection  
SECTION 11: Toxicological information  
SECTION 12: Ecological information  
SECTION 15: Regulatory information  
SECTION 16: Other information

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

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	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.
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.
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.