

according to Regulation (EC) No 1907/2006

luxaprint® cocoon

Revision date: 17.02.2020

Product code: 1171

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

1.1. Product identifier

luxaprint® cocoon

Further trade names

UFI: KAW0-D17F-C00S-5MGN

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

Use of the substance/mixture

Light curing one component resin for generative manufacturing of casts for the production of earmoulds made from silicone.

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|--|---------------------------|
| Company name: | DETAX GmbH & Co. KG | |
| Street: | Carl-Zeiss-Strasse | |
| Place: | D-76275 Ettlingen | |
| Telephone: | +49 7243/510-0 | Telefax: +49 7243/510-100 |
| e-mail: | post@detax.de | |
| Internet: | www.detax.de | |
| Responsible Department: | Emergency number: | |
| | +49 7243/510-0 | |
| | This number is only obtainable during office hours (Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 a.m. - 4.00 p.m.) | |
| | +49 7243/510-0 | |
| | This number is only obtainable during office hours (Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 - 4.00 p.m.) | |

1.4. Emergency telephone number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

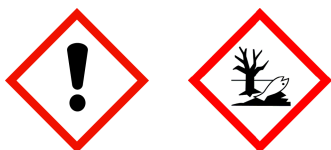
Regulation (EC) No. 1272/2008

Hazard components for labelling

(Octahydro-4,7-methano-1H-indenyl)methyl acrylate
 Urethanacrylat Oligomer
 Urethane Dimethacrylate
 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester
 2-hydroxyethyl acrylate
 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
 2-hydroxyethyl methacrylate
 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P501 Dispose of contents/ container in accordance with local and national regulations.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of acrylic/ methacrylic resins with auxilliary matters.

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Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | 30 - < 35 % |
| | 300-723-4 | | 01-2120785023-58 | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, STOT SE 3, Aquatic Chronic 2; H315 H319 H317 H335 H411 | | | |
| | Urethanacrylat Oligomer | | | 30 - < 35 % |
| | | | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335 | | | |
| 72869-86-4 | Urethane Dimethacrylate | | | 10 - < 15 % |
| | | | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335 | | | |
| 142-90-5 | dodecyl methacrylate | | | 5 - < 10 % |
| | 205-570-6 | 607-247-00-9 | 01-2119489778-11 | |
| | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H335 H400 H410 | | | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | 5 - < 10 % |
| | 266-380-7 | | | |
| | Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411 | | | |
| 818-61-1 | 2-hydroxyethyl acrylate | | | < 1 % |
| | 212-454-9 | 607-072-00-8 | | |
| | Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1; H311 H314 H317 H400 | | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | < 1 % |
| | 278-355-8 | 015-203-00-X | | |
| | Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361f H317 H411 | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | < 1 % |
| | 212-782-2 | 607-124-00-X | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317 | | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | < 1 % |
| | 239-701-3 | 607-111-00-9 | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H317 H400 H410 | | | |

Full text of H and EUH statements: see section 16.

Specific concentration limits and M-factors

| CAS No | EC No | Chemical name | Quantity |
|----------|-----------|---|------------|
| | | Specific concentration limits and M-factors | |
| 142-90-5 | 205-570-6 | dodecyl methacrylate | 5 - < 10 % |
| | | STOT SE 3; H335: ≥ 10 - 100 | |
| 818-61-1 | 212-454-9 | 2-hydroxyethyl acrylate | < 1 % |
| | | Skin Sens. 1; H317: ≥ 0,2 - 100 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

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After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

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

After ingestion

Rinse mouth immediately and drink plenty of water.

Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

4.2. Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Hints on joint storage

Keep away from spontaneous flammable or combustible substances.

Further information on storage conditions

Keep only in the original container in a dry and well-ventilated place, away from foodstuffs. Keep away from all kind of light. An inert gas blanket should not be applied, because the stability of the product depends on the presence of oxygen (air).

7.3. Specific end use(s)

Light curing one component resin for generative manufacturing of casts for the production of earmoulds made from silicone.

For use by trained specialist staff.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: NBR (Nitrile rubber)

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|---------------------|
| Physical state: | liquid: |
| Colour: | clear |
| Odour: | faintly like esters |

Test method

| | |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

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Changes in the physical state

| | |
|--|-------------------|
| Melting point: | not determined |
| Initial boiling point and boiling range: | not determined |
| Flash point: | >100 °C DIN 51755 |

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

Explosive properties

The product is not: Explosive.

| | |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |

Auto-ignition temperature

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

| | |
|----------------------------|----------|
| Decomposition temperature: | >=190 °C |
|----------------------------|----------|

Oxidizing properties

Not oxidizing.

| | |
|--------------------------------|--------|
| Vapour pressure: (at 20 °C) | <1 hPa |
|--------------------------------|--------|

| | |
|---------------------|----------------------|
| Density (at 20 °C): | 1,09 g/cm³ DIN 51757 |
|---------------------|----------------------|

| | |
|-------------------|-----------|
| Water solubility: | insoluble |
|-------------------|-----------|

Solubility in other solvents

not determined

| | |
|------------------------|----------------|
| Partition coefficient: | not determined |
|------------------------|----------------|

| | |
|-----------------|----------------|
| Vapour density: | not determined |
|-----------------|----------------|

| | |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Reacts with : strong oxidising agents, strong alkaline or acidic materials.

10.4. Conditions to avoid

Ultra-violet light and daylight initiate polymerisation of the product. Therefore keep only in tightly closed containers away from any sources of light at 15°C - 28°C / 59°F - 82 °F.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | |
|------------|--|------------------|---------|----------|----------|
| | Exposure route | Dose | Species | Source | Method |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | |
| | oral | LD50 2000 mg/kg | Rat | | OECD 423 |
| 142-90-5 | dodecyl methacrylate | | | | |
| | oral | LD50 >5000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 >3000 mg/kg | Rabbit | | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | | |
| | oral | LD50 >2000 mg/kg | Rat | | |
| | dermal | LD50 2000 mg/kg | Rat | | |
| 818-61-1 | 2-hydroxyethyl acrylate | | | | |
| | oral | LD50 548 mg/kg | Rat | | |
| | dermal | LD50 298 mg/kg | Rabbit | GESTIS | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >2000 mg/kg | Rat | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | |
| | oral | LD50 5050 mg/kg | Rat | | |
| | dermal | LD50 >3000 mg/kg | Rabbit | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >2000 mg/kg | Rat | | |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. ((Octahydro-4,7-methano-1H-indenyl)methyl acrylate; Urethanacrylat Oligomer; Urethane Dimethacrylate; 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester; 2-hydroxyethyl acrylate; diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; 2-hydroxyethyl methacrylate; 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

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STOT-single exposure

May cause respiratory irritation. ((Octahydro-4,7-methano-1H-indenyl)methyl acrylate; Urethanacrylat Oligomer)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

| CAS No | Chemical name | | | | | |
|------------|--|------------------|-----------|-------------------------------------|--------|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | |
| | Acute fish toxicity | LC50 1,8 mg/l | 96 h | Brachydanio rerio (zebra-fish) | | OECD 203 |
| | Acute algae toxicity | ErC50 1,15 mg/l | 72 h | Pseudokirchneriella subcapitata | | OECD 201 |
| | Acute crustacea toxicity | EC50 2,64 mg/l | 48 h | Daphnia magna (Big water flea) | | OECD 202 |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | | | |
| | Acute fish toxicity | LC50 4 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 34 mg/l | 72 h | Desmodesmus subspicatus. | | |
| | Acute crustacea toxicity | EC50 20 mg/l | 48 h | Daphnia magna (Big water flea) | | |
| | Acute bacteria toxicity | (>1,000 mg/l) | 3 h | Activated sludge | | |
| 818-61-1 | 2-hydroxyethyl acrylate | | | | | |
| | Acute fish toxicity | LC50 4,8 mg/l | 96 h | | GESTIS | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | | |
| | Acute algae toxicity | ErC50 >2,01 mg/l | 72 h | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 3,53 mg/l | 48 h | Daphnia magna (Big water flea) | | |
| | Acute bacteria toxicity | (>1000 mg/l) | 3 h | Activated sludge | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | | |
| | Acute fish toxicity | LC50 227 mg/l | 96 h | Pimephales promelas | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | | | |
| | Acute algae toxicity | ErC50 4,86 mg/l | 96 h | Desmodesmus subspicatus. | | |
| | Acute crustacea toxicity | EC50 19,9 mg/l | 48 h | Daphnia magna (Big water flea) | | |

12.2. Persistence and degradability

The product has not been tested.

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| CAS No | Chemical name | | | |
|------------|--|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | |
| | OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D | 11,8% | 28 | |
| | Not readily biodegradable (according to OECD criteria) | | | |
| 142-90-5 | dodecyl methacrylate | | | |
| | OECD 201 | 88,5% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | |
| | Evidence for inherent biodegradability. | 28% | 28 | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | |
| | | 0-10% | 28 | |
| | Not readily biodegradable (according to OECD criteria) | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | |
| | 84 | % | 28 | |
| | Leicht biologisch abbaubar | | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | |
| | | 86% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|--|---------|
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | 1,9 |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 3,1 |
| 868-77-9 | 2-hydroxyethyl methacrylate | 0,47 |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | 0,67 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|---|-------|--------------------------------|----------|
| 142-90-5 | dodecyl methacrylate | 37 | Brachydanio rerio (zebra-fish) | OECD 305 |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 47-55 | Cyprinus carpio (Common Carp) | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

Not identified as PBT/ vPvB substances

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

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Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number: | UN 3082 |
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Classification code: | M6 |
| Special Provisions: | 274 335 375 601 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Transport category: | 3 |
| Hazard No: | 90 |
| Tunnel restriction code: | - |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number: | UN 3082 |
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Special Provisions: | 274, 335, 969 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| EmS: | F-A, S-F |

Other applicable information (marine transport)

Flash point: >100°C

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number: | UN 3082 |
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Special Provisions: | A97 A158 A197 |
| Limited quantity Passenger: | 30 kg G |
| Passenger LQ: | Y964 |
| Excepted quantity: | E1 |
| IATA-packing instructions - Passenger: | 964 |
| IATA-max. quantity - Passenger: | 450 L |
| IATA-packing instructions - Cargo: | 964 |
| IATA-max. quantity - Cargo: | 450 L |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

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14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Information according to 2012/18/EU
(SEVESO III):

E2 Hazardous to the Aquatic Environment

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

3 - strongly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEL: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

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IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
@1602.B016012

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |
| STOT SE 3; H335 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|-------|---|
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H361f | Suspected of damaging fertility. |
| 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. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)