

according to Regulation (EG) Nr. 1907/2006

Primeprint Splint ST

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

1.1. Product identifier

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

Use of the substance/mixture

Light curing one component material for the fabrication of dental splints and guides.

1.3. Details of the supplier of the safety data sheet

Company name: DETAX GmbH
Street: Carl-Zeiss-Straße 4
Place: D-76275 Ettlingen

Telephone: +49 7243/510-0 Telefax: +49 7243/510-100

E-mail: post@detax.com Internet: www.detax.com

Responsible Department: 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.)

1.4. Emergency telephone +1-800-424-9300 (CHEMTREC worldwide)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EG) Nr. 1272/2008

Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EG) Nr. 1272/2008

Hazard components for labelling

7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (Octahydro-4,7-methano-1H-indenyl)methyl acrylate

Hydroxy propyl methacrylate 2-hydroxyethyl methacrylate

Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

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.



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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.

Hazardous components

| CAS No | Chemical name | | | | | |
|------------|--|---|--------------------------|-------------|--|--|
| | EC No | Index No | REACH No | | | |
| | Classification (Regulation (EG) Nr. | 1272/2008) | • | | | |
| 72869-86-4 | 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo | o-3,14-dioxa-5,12-diazahexadecane-1 | ,16-diyl bismethacrylate | 40 - < 60 % | | |
| | 276-957-5 | | 01-2120751202-68 | | | |
| | Skin Sens. 1B, Aquatic Chronic 2; | H317 H411 | | | | |
| 7534-94-3 | Exo-1,7,7-trimethylbicyclo[2.2.1]he | ept-2-yl methacrylate | | 5 - < 20 % | | |
| | Skin Irrit. 2, Eye Irrit. 2, STOT SE | 3, Aquatic Chronic 3; H315 H319 H33 | 5 H412 | | | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-inder | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | |
| | 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 | | | | | |
| 27813-02-1 | Hydroxy propyl methacrylate | | | | | |
| | 248-666-3 | | 01-2119490226-37 | | | |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | | | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | 0.1 - < 5 % | | |
| | 212-782-2 | 607-124-00-X | 01-2119490169-29 | | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. | 1; H315 H319 H317 | | | | |
| 84434-11-7 | Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate | | | | | |
| | 282-810-6 | | 01-2119987994-10 | | | |
| | Skin Sens. 1B, Aquatic Chronic 2; H317 H411 | | | | | |

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



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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity | | |
|------------|--|--|-------------|--|--|
| | Specific Cond | Specific Conc. Limits, M-factors and ATE | | | |
| 72869-86-4 | 276-957-5 | 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate | 40 - < 60 % | | |
| | dermal: LD5 | 0 = >2000 mg/kg; oral: LD50 = >5000 mg/kg | | | |
| 7534-94-3 | | Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 5 - < 20 % | | |
| | dermal: LD5 | 0 = >3000 mg/kg; oral: LD50 = >2000 mg/kg | | | |
| 93962-84-6 | 300-723-4 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | 5 - < 20 % | | |
| | oral: LD50 = 2000 mg/kg | | | | |
| 27813-02-1 | 248-666-3 | Hydroxy propyl methacrylate | 5 - < 20 % | | |
| | dermal: LD5 | 0 = >5000 mg/kg; oral: LD50 = >2000 mg/kg | | | |
| 868-77-9 | 212-782-2 | 2-hydroxyethyl methacrylate | 0.1 - < 5 % | | |
| | dermal: LD5 | 0 = >5000 mg/kg; oral: LD50 = 5564 mg/kg | | | |
| 84434-11-7 | 282-810-6 | Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate | 0.1 - < 5 % | | |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg | | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

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 1 glass of 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





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6.1. Personal precautions, protective equipment and emergency procedures

General advice

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

For cleaning up

Absorb with liquid-binding material (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.

Advice on general occupational hygiene

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 or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion 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 ligth. 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)

Ligth curing material for fabrication of dental splints and guides.

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.

Individual protection measures, such as personal protective equipment



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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: Butyl caoutchouc (butyl rubber)

Skin protection

Use of 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

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:

Flammability: not applicable

not applicable

Lower explosion limits: not determined Upper explosion limits: not determined

Flash point: >100 °C DIN 51755

Auto-ignition temperature: not determined Decomposition temperature: >=190 °C pH-Value: not determined Water solubility: The study does not need to be conducted

because the substance is known to be

insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: <1 hPa

(at 20 °C)

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

Relative vapour density: not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate: not determined Solid content: not determined





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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 alcaline or acidic materials.

10.4. Conditions to avoid

Ultra-violet ligth and dayligth initiate polymerisation of the product. Therefore keep only in tigthly closed containers away from any sources of ligth 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 hazard classes as defined in Regulation (EG) Nr. 1272/2008

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l



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| CAS No | Chemical name | | | | | | | |
|------------|---|--|--------------|---------|----------|----------|--|--|
| | Exposure route | Dose | | Species | Source | Method | | |
| 72869-86-4 | 7,7,9(or 7,9,9)-trimethyl-4 | 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate | | | | | | |
| | oral | LD50 mg/kg | >5000 | Rat | OECD 401 | | | |
| | dermal | LD50 mg/kg | >2000 | Rat | OECD 402 | | | |
| 7534-94-3 | Exo-1,7,7-trimethylbicycl | o[2.2.1]hept- | 2-yl methacr | ylate | | | | |
| | oral | LD50 mg/kg | >2000 | Rat | MSDS | | | |
| | dermal | LD50 mg/kg | >3000 | Rabbit | MSDS | | | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | | | |
| | oral | LD50 mg/kg | 2000 | Rat | | OECD 423 | | |
| 27813-02-1 | Hydroxy propyl methacrylate | | | | | | | |
| | oral | LD50 mg/kg | >2000 | Rat | OECD 401 | | | |
| | dermal | LD50 mg/kg | >5000 | Rabbit | | | | |
| 868-77-9 | 2-hydroxyethyl methacry | late | | | | | | |
| | oral | LD50 mg/kg | 5564 | Rat | | | | |
| | dermal | LD50 mg/kg | >5000 | Rabbit | | | | |
| 84434-11-7 | Ethyl phenyl(2,4,6-trimet | hylbenzoyl)p | hosphinate | | | | | |
| | oral | LD50 mg/kg | >5000 | Rat | | OECD 401 | | |
| | dermal | LD50 mg/kg | >2000 | Rat | | | | |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (7,7,9(or 7,9,9)

-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate;

(Octahydro-4,7-methano-1H-indenyl)methyl acrylate; Hydroxy propyl methacrylate; 2-hydroxyethyl

methacrylate; Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause respiratory irritation.

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.

11.2. Information on other hazards

Further information

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



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SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

| Chemical name | | | | | | | | |
|--|---|---|---|---|--|---|--|--|
| Aquatic toxicity | Dose | | [h] [d] | Species | Source | Method | | |
| 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate | | | | | | | | |
| Acute fish toxicity | LC50 mg/l | 10,1 | 96 h | | | OECD 203 | | |
| Acute algae toxicity | ErC50 mg/l | 0,21 | 72 h | | | OECD 201 | | |
| Acute crustacea toxicity | EC50 mg/l | >1,2 | 48 h | Daphnia magna (Big water flea) | OECD 202 | | | |
| Exo-1,7,7-trimethylbicyclo | [2.2.1]hept- | -2-yl methacr | ylate | | | | | |
| Acute fish toxicity | LC50 mg/l | 1,79 | 96 h | | MSDS | OECD 203 | | |
| Acute crustacea toxicity | EC50 mg/l | >2,57 | 48 h | Daphnia magna | MSDS | OECD 202 | | |
| (Octahydro-4,7-methano- | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | | | |
| Acute fish toxicity | LC50 | 1,8 mg/l | 96 h | Danio rerio (zebrafish) | | OECD 203 | | |
| Acute algae toxicity | ErC50 mg/l | 1,15 | 72 h | Pseudokirchneriella subcapitata | | OECD 201 | | |
| Acute crustacea toxicity | EC50 mg/l | 2,64 | 48 h | Daphnia magna (Big water flea) | | OECD 202 | | |
| Hydroxy propyl methacrylate | | | | | | | | |
| Acute fish toxicity | LC50 | 493 mg/l | 96 h | Leuciscus idus (golden orfe) | | | | |
| Acute algae toxicity | ErC50 mg/l | >97,2 | 72 h | Pseudokirchneriella subcapitata | OECD 201 | | | |
| Acute crustacea toxicity | EC50 | 380 mg/l | 48 h | Daphnia magna (Big water flea) | OECD 202 | | | |
| 2-hydroxyethyl methacrylate | | | | | | | | |
| Acute fish toxicity | LC50 mg/l | >100 | 96 h | Oryzias latipes | | OECD 203 | | |
| Acute algae toxicity | ErC50 | 836 mg/l | 72 h | Selenastrum capricornutum | | OECD 201 | | |
| Acute crustacea toxicity | EC50 | 380 mg/l | 48 h | Daphnia magna | | OECD 202 | | |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate | | | | | | | | |
| Acute fish toxicity | LC50 mg/l | 1,89 | 96 h | Danio rerio | | | | |
| | Aquatic toxicity 7,7,9(or 7,9,9)-trimethyl-4 Acute fish toxicity Acute algae toxicity Acute crustacea toxicity Exo-1,7,7-trimethylbicyclo Acute fish toxicity Acute crustacea toxicity (Octahydro-4,7-methano- Acute fish toxicity Acute algae toxicity Hydroxy propyl methacryl Acute fish toxicity Acute algae toxicity Acute algae toxicity Acute crustacea toxicity Acute algae toxicity Acute algae toxicity Acute crustacea toxicity Acute crustacea toxicity Acute gish toxicity Acute fish toxicity Acute algae toxicity Acute algae toxicity Ethyl phenyl(2,4,6-trimeth | Aquatic toxicity 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3 Acute fish toxicity LC50 mg/l Acute algae toxicity ErC50 mg/l Acute crustacea toxicity Exo-1,7,7-trimethylbicyclo[2.2.1]hepter Acute fish toxicity LC50 mg/l Acute crustacea toxicity EC50 mg/l Acute fish toxicity LC50 mg/l Acute fish toxicity LC50 Acute algae toxicity EC50 mg/l Acute rustacea toxicity EC50 mg/l Acute rustacea toxicity EC50 mg/l Acute crustacea toxicity EC50 mg/l Acute algae toxicity EC50 mg/l Acute fish toxicity LC50 Acute algae toxicity ErC50 mg/l Acute crustacea toxicity ErC50 mg/l Acute algae toxicity EC50 2-hydroxyethyl methacrylate Acute fish toxicity LC50 Acute algae toxicity EC50 Ethyl phenyl(2,4,6-trimethylbenzoyl)p Acute fish toxicity LC50 | Aquatic toxicity 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,1 Acute fish toxicity LC50 I0,1 mg/l Acute algae toxicity ErC50 O,21 mg/l Acute crustacea toxicity Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methaced fish toxicity LC50 Acute fish toxicity LC50 Acute crustacea toxicity EC50 Acute crustacea toxicity EC50 Acute fish toxicity LC50 I,79 mg/l Acute crustacea toxicity EC50 Acute fish toxicity LC50 I,8 mg/l Acute algae toxicity EC50 Acute algae toxicity EC50 Acute crustacea toxicity EC50 Acute fish toxicity Acute crustacea toxicity EC50 Acute fish toxicity Acute fish toxicity EC50 Acute fish toxicity Acute fish toxicity Acute fish toxicity EC50 Agamg/l Acute algae toxicity EC50 Agamg/l Acute crustacea toxicity EC50 As0 mg/l Acute algae toxicity EC50 As0 mg/l Acute algae toxicity EC50 As0 mg/l Acute crustacea toxicity EC50 As0 mg/l Acute fish toxicity Acute fish toxicity EC50 As0 mg/l Acute fish toxicity Acute fish toxicity EC50 As0 mg/l Acute fish toxicity Acute fish toxicity Acute fish toxicity Acute fish toxicity EC50 As0 mg/l | Aquatic toxicity Dose [h] [d] 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazah Acute fish toxicity LC50 10,1 gg/l Acute algae toxicity ErC50 0,21 72 h gg/l Acute crustacea toxicity EC50 >1,2 48 h gg/l Acute fish toxicity LC50 1,79 96 h gg/l Acute fish toxicity LC50 1,79 96 h gg/l Acute crustacea toxicity EC50 >2,57 48 h gg/l Acute algae toxicity EC50 1,8 mg/l Acute fish toxicity LC50 1,8 mg/l 96 h Acute algae toxicity ErC50 1,15 72 h gg/l Acute crustacea toxicity ErC50 1,15 72 h gg/l Acute crustacea toxicity ErC50 2,64 48 h gg/l Acute algae toxicity ErC50 2,64 48 h gg/l Acute algae toxicity ErC50 380 mg/l 96 h Acute algae toxicity ErC50 380 mg/l 48 h Acute algae toxicity ErC50 380 mg/l 48 h Acute algae toxicity ErC50 380 mg/l 48 h Acute algae toxicity ErC50 836 mg/l 72 h Acute algae toxicity ErC50 836 mg/l 72 h Acute algae toxicity ErC50 380 mg/l 48 h Acute crustacea toxicity ErC50 380 mg/l 48 h Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate Acute fish toxicity LC50 1,89 96 h | Aquatic toxicity Dose [h] [d] Species 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bist Acute fish toxicity LC50 10,1 96 h mg/l Acute algae toxicity ErC50 0,21 72 h mg/l Acute crustacea toxicity EC50 >1,2 48 h Daphnia magna (Big water flea) Exo-1,7,7-trimethylbicyclo[2,2.1]hept-2-yl methacrylate Acute fish toxicity LC50 1,79 96 h mg/l Acute crustacea toxicity EC50 >2,57 48 h Daphnia magna (Octahydro-4,7-methano-1H-indenyl)methyl acrylate Acute fish toxicity LC50 1,8 mg/l 96 h Danio rerio (zebrafish) Acute algae toxicity EC50 2,64 48 h Daphnia magna (Big water flea) Hydroxy propyl methacrylate Acute fish toxicity LC50 493 mg/l 96 h Leuciscus idus (golden orfe) Acute algae toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute crustacea toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute algae toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute crustacea toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute algae toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute crustacea toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute algae toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) Acute algae toxicity EC50 380 mg/l 48 h Daphnia magna (Big water flea) | Aquatic toxicity Dose [h] [d] Species Source 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate Acute fish toxicity | | |

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 | a) | | | | | |
| 27813-02-1 | Hydroxy propyl methacrylate | | | | | | |
| | OECD | 94% | 28 | | | | |
| | Readily biodegradable (according to OECD criteria). | | | | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | | | |
| | | 92-100% | 14 | | | | |
| | 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 |
|------------|--|---------|
| 72869-86-4 | 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate | 3,39 |
| 27813-02-1 | Hydroxy propyl methacrylate | 0,97 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH. Not identivied as PBT/ vPvB substances

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. 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.

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 or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):
14.4. Packing group:
Hazard label:
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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: -

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9Classification code:M6

Special Provisions: 274 335 375 601

Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9

Special Provisions: 274, 335, 969

Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9

Special Provisions: A97 A158 A197 A215

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

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

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

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75





according to Regulation (EG) Nr. 1907/2006

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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 - highly 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



according to Regulation (EG) Nr. 1907/2006

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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
PNEC: 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

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

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

IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety

assessment, chapter R.20 (Table of terms and abbreviations).

Skin Irrit: Skin irritation Eye Irrit: Eye irritation Skin Sens: Skin sensitisation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation(EG) Nr. 1272/2008

| 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)

H315 Causes skin irritation.



according to Regulation (EG) Nr. 1907/2006

| | Primeprint Splint ST | |
|---------------------------|----------------------|---------------|
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| 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. H412 Harmful 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.)