

Safety Data Sheet

according to Regulation (EC) No 1907/2006

POC-II, Comp. A

Revision date: 06.10.2020

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

1.1. Product identifier

POC-II, Comp. A

UFI: NUQV-40D6-J006-NUWF

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

Use of the substance/mixture

Adhesive mortar for fastening elements A-component (resin)

Uses advised against

no restriction

1.3. Details of the supplier of the safety data sheet

| | | |
|---------------|-----------------------------|---------------------------|
| Company name: | UIP Verbindungstechnik GmbH | |
| Street: | Kapellenstraße 47 | |
| Place: | D-65830 Kriftel | |
| Telephone: | +49 6192 9578050 | Telefax: +49 6192 9578055 |
| e-mail: | office@uip-systems.com | |
| Internet: | www.uip-systems.com | |

1.4. Emergency telephone number:

+49 (0)551-19240 (GIZ-Nord, German and English, 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Tetramethylene dimethacrylate;

Ethylene dimethacrylate;

Methacrylic acid, monoester with propane-1,2-diol;

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

| | |
|-----------|--|
| P261 | Avoid breathing vapours. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |

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Dispose of contents/container to an approved waste disposal plant in accordance with local/national regulation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | Quantity |
|------------|---|------------------|
| | EC No | Index No |
| | REACH No | |
| | GHS Classification | |
| 2082-81-7 | Tetramethylene dimethacrylate | 5 - < 15 % |
| | 218-218-1 | 01-2119967415-30 |
| | Skin Sens. 1B; H317 | |
| 25013-15-4 | Vinyltoluene | 1 - < 6 % |
| | 246-562-2 | 01-2119622074-50 |
| | Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H226 H332 H315 H319 H412 | |
| 97-90-5 | Ethylene dimethacrylate | 1 - < 5 % |
| | 202-617-2 | 607-114-00-5 |
| | 01-2119965172-38 | |
| | Skin Sens. 1, STOT SE 3; H317 H335 | |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | < 2,5 % |
| | 248-666-3 | 01-2119490226-37 |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | < 0,5 % |
| | 229-934-9 | 01-2119451093-47 |
| | Repr. 2, Aquatic Chronic 3; H361d H412 | |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] | < 0,5 % |
| | 911-490-9 | 01-2119979579-10 |
| | Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H315 H318 H317 H412 | |
| 38668-48-3 | 1,1'-(p-Tolylimino)dipropyl-2-ol | < 0,5 % |
| | 254-075-1 | 01-2119980937-17 |
| | Acute Tox. 2, Eye Irrit. 2, Aquatic Chronic 3; H300 H319 H412 | |
| 130-15-4 | 1,4-naphthoquinone | < 0,05 % |
| | 204-977-6 | 01-2120760462-57 |
| | Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H330 H301 H314 H318 H317 H335 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 | |
| 97-90-5 | 202-617-2 | Ethylene dimethacrylate | 1 - < 5 % |
| | | STOT SE 3; H335: $\geq 10 - 100$ | |
| 130-15-4 | 204-977-6 | 1,4-naphthoquinone | < 0,05 % |
| | | M akut; H400: M=10 M chron.; H410: M=1 | |

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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

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

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

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

May cause an allergic skin reaction.

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**

Foam
Extinguishing powder
Water spray jet
Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic
Carbon monoxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. In case of fire and/or explosion do not breathe fumes.

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**

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand

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Treat the recovered material as prescribed in the section on waste disposal.
Retain contaminated washing water and dispose it.

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

Use only outdoors or in a well-ventilated area.
Wear personal protection equipment (refer to section 8).
Avoid contact with skin, eyes and clothes.
When using do not eat, drink or smoke.
Wash hands thoroughly after handling.
Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Do not use for products which come into contact with the food stuffs.

Further information on storage conditions

storage temperature: 5 - 25°C

7.3. Specific end use(s)

Adhesive mortar for fastening elements A-component (resin)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|-------------------------|-------|
| 2082-81-7 | Tetramethylene dimethacrylate | | | |
| Worker DNEL, long-term | inhalation | systemic | 14,5 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 4,2 mg/kg bw/day | |
| Consumer DNEL, long-term | inhalation | systemic | 4,3 mg/m ³ | |
| Consumer DNEL, long-term | dermal | systemic | 2,5 mg/kg bw/day | |
| Consumer DNEL, long-term | oral | systemic | 2,5 mg/kg bw/day | |
| 25013-15-4 | Vinyltoluene | | | |
| Worker DNEL, long-term | inhalation | systemic | 37 mg/m ³ | |
| Worker DNEL, acute | inhalation | systemic | 37 mg/m ³ | |
| Worker DNEL, long-term | inhalation | local | 37 mg/m ³ | |
| 97-90-5 | Ethylene dimethacrylate | | | |
| Worker DNEL, long-term | inhalation | systemic | 2,45 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 1,3 mg/kg bw/day | |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | | | |
| Worker DNEL, long-term | inhalation | systemic | 14,7 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 4,2 mg/kg bw/day | |
| Consumer DNEL, long-term | inhalation | systemic | 8,8 mg/m ³ | |
| Consumer DNEL, long-term | dermal | systemic | 2,5 mg/kg bw/day | |
| Consumer DNEL, long-term | oral | systemic | 2,5 mg/kg bw/day | |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | | | |
| Worker DNEL, long-term | dermal | systemic | 5 mg/kg bw/day | |
| Worker DNEL, long-term | inhalation | systemic | 17,62 mg/m ³ | |
| Consumer DNEL, long-term | inhalation | systemic | 4,35 mg/m ³ | |
| Consumer DNEL, long-term | oral | systemic | 5 mg/kg bw/day | |
| Consumer DNEL, long-term | dermal | systemic | 5 mg/kg bw/day | |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] | | | |
| Worker DNEL, long-term | inhalation | systemic | 9,8 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 1,4 mg/kg bw/day | |
| Consumer DNEL, long-term | inhalation | systemic | 2,9 mg/m ³ | |
| Consumer DNEL, long-term | oral | systemic | 0,83 mg/kg bw/day | |
| Consumer DNEL, long-term | dermal | systemic | 0,83 mg/kg bw/day | |
| 130-15-4 | 1,4-naphthoquinone | | | |
| Worker DNEL, long-term | inhalation | systemic | 0,033 mg/m ³ | |

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PNEC values

| CAS No | Substance | |
|--|---|-------------|
| Environmental compartment | | Value |
| 2082-81-7 | Tetramethylene dimethacrylate | |
| Freshwater | | 0,043 mg/l |
| Marine water | | 0,004 mg/l |
| Freshwater sediment | | 3,12 mg/kg |
| Marine sediment | | 0,312 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 2 mg/l |
| Soil | | 0,573 mg/kg |
| 25013-15-4 | Vinyltoluene | |
| Freshwater | | 0,05 mg/l |
| Marine water | | 0,002 mg/l |
| Freshwater sediment | | 0,684 mg/kg |
| Marine sediment | | 0,684 mg/kg |
| Soil | | 0,133 mg/kg |
| 97-90-5 | Ethylene dimethacrylate | |
| Freshwater | | 0,139 mg/l |
| Marine water | | 0,014 mg/l |
| Marine water (intermittent releases) | | 0,15 mg/l |
| Freshwater sediment | | 1,6 mg/kg |
| Marine sediment | | 0,16 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 57 mg/l |
| Soil | | 0,239 mg/kg |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | |
| Freshwater | | 0,904 mg/l |
| Marine water | | 0,904 mg/l |
| Freshwater sediment | | 6,28 mg/kg |
| Marine sediment | | 6,28 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 10 mg/l |
| Soil | | 0,727 mg/kg |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | |
| Freshwater | | 0,014 mg/l |
| Marine water | | 0,001 mg/l |
| Freshwater sediment | | 5,29 mg/kg |
| Marine sediment | | 0,529 mg/kg |
| Soil | | 1,05 mg/kg |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] | |
| Freshwater | | 0,048 mg/l |
| Marine water | | 0,005 mg/l |
| Freshwater sediment | | 0,12 mg/kg |
| Marine sediment | | 0,12 mg/kg |
| 130-15-4 | 1,4-naphthoquinone | |

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| | |
|--|------------|
| Freshwater | 26,1 mg/l |
| Marine water | 2,61 mg/l |
| Freshwater sediment | 321 mg/kg |
| Marine sediment | 32,1 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 0,172 mg/l |
| Soil | 49 mg/kg |

Additional advice on limit values

This mixture contains quartz filler which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Protective and hygiene measures

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection programme. Wash hands thoroughly after handling. When using do not eat, drink or smoke.

Eye/face protection

Wear eye protection/face protection. Wear safety glasses.

Hand protection

Disposable gloves
Recommended material: NBR (Nitrile rubber)
Breakthrough time: > 480 min
Thickness of the glove material: > 0,2 mm
DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|------------------|-------------------|----------------|
| Physical state: | solid (pasty) | |
| Colour: | light beige | |
| Odour: | characteristic | |
| Odour threshold: | No data available | |
| pH-Value: | | not determined |

Changes in the physical state

| | |
|----------------|----------------|
| Melting point: | not determined |
|----------------|----------------|

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Initial boiling point and boiling range: not determined

Flash point: not applicable

Flammability

Solid: not determined

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not determined

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 1,72 g/cm³

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: 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

Response: Oxidising agent, strong

10.4. Conditions to avoid

Heat. Keep cool. Protect from sunlight.

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.

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| CAS No | Chemical name | | | | |
|------------|---|-------------------|------------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 2082-81-7 | Tetramethylene dimethacrylate | | | | |
| | oral | LD50 10066 mg/kg | Rat | | |
| | dermal | LD50 > 3000 mg/kg | Rabbit | | |
| 25013-15-4 | Vinyltoluene | | | | |
| | dermal | LD50 4585 mg/kg | Rabbit | | |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation aerosol | ATE 1,5 mg/l | | | |
| 97-90-5 | Ethylene dimethacrylate | | | | |
| | oral | LD50 8700 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rat | | |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | | |
| | dermal | LD50 > 5000 mg/kg | Rabbit | | |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | | | | |
| | oral | LD50 3200 mg/kg | Rat | | |
| | dermal | LD50 18900 mg/kg | Guinea pig | | |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] | | | | |
| | oral | LD50 619 mg/kg | Rat | | |
| 38668-48-3 | 1,1'-(p-Tolylimino)dipropyl-2-ol | | | | |
| | oral | LD50 27,5 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rat | | |
| 130-15-4 | 1,4-naphthoquinone | | | | |
| | oral | LD50 124 mg/kg | Rat | | |
| | inhalation vapour | ATE 0,5 mg/l | | | |
| | inhalation (4 h) aerosol | LC50 0,046 mg/l | Rat | | |

Irritation and corrosivity

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

Sensitising effects

May cause an allergic skin reaction. (Tetramethylene dimethacrylate; Ethylene dimethacrylate; Methacrylic acid, monoester with propane-1,2-diol; Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]; 1,4-naphthoquinone)

Carcinogenic/mutagenic/toxic effects for reproduction

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

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STOT-single exposure

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

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.

Further information

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

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

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| CAS No | Chemical name | | | | | |
|------------|--|------------|-----------|---------|---------------------------------|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 2082-81-7 | Tetramethylene dimethacrylate | | | | | |
| | Acute algae toxicity | ErC50 mg/l | 9,79 | 72 h | | |
| | Crustacea toxicity | NOEC mg/l | 5,09 | 21 d | | |
| 25013-15-4 | Vinyltoluene | | | | | |
| | Acute fish toxicity | LC50 | 5,2 mg/l | 96 h | | |
| | Acute algae toxicity | ErC50 | 2,6 mg/l | 72 h | | |
| | Acute crustacea toxicity | EC50 | 9,3 mg/l | 48 h | Daphnia magna (Big water flea) | |
| 97-90-5 | Ethylene dimethacrylate | | | | | |
| | Acute fish toxicity | LC50 mg/l | 15,95 | 96 h | Brachydanio rerio (zebra-fish) | |
| | Acute algae toxicity | ErC50 mg/l | 17,3 | 72 h | Pseudokirchneriella subcapitata | |
| | Acute crustacea toxicity | EC50 mg/l | 44,9 | 48 h | Daphnia magna (Big water flea) | |
| | Crustacea toxicity | NOEC mg/l | 13,2 | 2 d | | |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | | | | | |
| | Acute algae toxicity | ErC50 mg/l | > 97,2 | 72 h | Pseudokirchneriella subcapitata | |
| | Acute crustacea toxicity | EC50 mg/l | > 143 | 48 h | Daphnia magna (Big water flea) | |
| | Algae toxicity | NOEC mg/l | | | | |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | | | | | |
| | Algae toxicity | NOEC mg/l | 2,25 | 3 d | | |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino] | | | | | |
| | Acute fish toxicity | LC50 mg/l | > 100 | 96 h | | |
| | Acute algae toxicity | ErC50 mg/l | > 100 | 72 h | | |
| | Acute crustacea toxicity | EC50 | 48 mg/l | 48 h | | |
| 38668-48-3 | 1,1'-(p-Tolylimino)dipropen-2-ol | | | | | |
| | Acute fish toxicity | LC50 | 17 mg/l | 96 h | Brachydanio rerio (zebra-fish) | |
| | Acute algae toxicity | ErC50 | 245 mg/l | 72 h | Desmodesmus subspicatus | |
| | Acute crustacea toxicity | EC50 mg/l | 28,8 | 48 h | Daphnia magna (Big water flea) | |
| | Algae toxicity | NOEC mg/l | 57,8 | 72 d | Desmodesmus subspicatus | OECD 201 |
| 130-15-4 | 1,4-naphthoquinone | | | | | |
| | Acute fish toxicity | LC50 mg/l | 0,045 | 96 h | Oryzias latipes (Ricefish) | |
| | Acute algae toxicity | ErC50 mg/l | 0,42 | 72 h | | |

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| | | | | | | | |
|--|--------------------------|--------------|-------|------|--|--|--|
| | Acute crustacea toxicity | EC50 mg/l | 0,026 | 48 h | | | |
| | Algae toxicity | NOEC mg/l | 0,07 | 3 d | | | |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|------------|---|--------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 2082-81-7 | Tetramethylene dimethacrylate | | | |
| | OECD 310 | 84 % | 28 | |
| 25013-15-4 | Vinyltoluene | | | |
| | OECD 310 | 36,7 % | 28 | |
| 97-90-5 | Ethylene dimethacrylate | | | |
| | OECD 301D | 71 % | 28 | |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | | | |
| | OECD 301C | 81% | 28 | |
| 130-15-4 | 1,4-naphthoquinone | | | |
| | | 39 % | 5 | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 2082-81-7 | Tetramethylene dimethacrylate | 3,1 |
| 25013-15-4 | Vinyltoluene | 3,35 |
| 97-90-5 | Ethylene dimethacrylate | 2,4 |
| 27813-02-1 | Methacrylic acid, monoester with propane-1,2-diol | 0,97 |
| 6846-50-0 | 1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate | 4,91 |
| - | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] | 2,17 |
| 38668-48-3 | 1,1'-(p-Tolylimino)dipropyl-2-ol | 2,1 |
| 130-15-4 | 1,4-naphthoquinone | 1,77 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|---------------|-----------|---------|--------|
| 25013-15-4 | Vinyltoluene | 100 - 320 | | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

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

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Disposal recommendations

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations. Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

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

not applicable

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 Not subject to 2012/18/EU (SEVESO III)
(SEVESO III):

Additional information

VOC content: 2,8 % (DIN EN ISO 11890-2)

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

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): | 2 - obviously 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

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation
(European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS: Chemical Abstracts Service
CLP: Classification, Labeling and Packaging
DMEL: Derived Minimal Effect level
DNEL: Derived No Effect Level
EC50: Effective concentration, 50%
ErC50: EC50 in terms of reduction of growth rate
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)
IMDG: International Maritime Code for Dangerous Goods
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
PBT: persistent, bioaccumulative and toxic
vPvB: very persistent and very bioaccumulative
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Rail)
VOC: Volatile organic compound
Acute Tox. 3: Acute toxicity, Category 3
Acute Tox. 2: Acute toxicity, Category 2
Acute Tox. 4: Acute toxicity, Category 4
Aquatic Acute 1: Acute aquatic hazard, Category 1

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Aquatic Chronic 1: Long-term aquatic hazard, Category 1
 Aquatic Chronic 3: Long-term aquatic hazard, Category 3
 Asp. Tox. 1: Aspiration hazard, Category 1
 Eye Dam. 1: Serious eye damage/eye irritation, Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Category 2
 Flam. Liq. 3: Flammable liquid, Category 3
 Repr. 2: Reproductive toxicity, Category 2
 Skin Corr. 1C: Skin corrosion/irritation, Category 1C
 Skin Irrit. 2: Serious eye damage/eye irritation, Category 2
 Skin Sens. 1A: Skin sensitization, Category 1A
 Skin Sens. 1B: Skin sensitization, Category 1B
 STOT SE 3: Specific target organ toxicity (single exposure), Category 3

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

| Classification | Classification procedure |
|--------------------|--------------------------|
| Skin Sens. 1; H317 | Calculation method |

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 H300 Fatal if swallowed.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H361d Suspected of damaging the unborn child.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

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

1.1. Product identifier

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UFI: 4XQV-N02K-U00Q-96GH

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

Use of the substance/mixture

compound mortar B-component (hardener)

Uses advised against

no restriction

1.3. Details of the supplier of the safety data sheet

Company name: UIP Verbindungstechnik GmbH

Street: Kapellenstraße 47

Place: D-65830 Kriftel

Telephone: +49 6192 9578050

Telefax: +49 6192 9578055

e-mail: office@uip-systems.com

Internet: www.uip-systems.com

1.4. Emergency telephone number:

+49 (0)551-19240 (GIZ-Nord, German and English, 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Causes serious eye irritation.

May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Dibenzoyl peroxide

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing vapours.

P280 Wear protective gloves and eye/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container to an approved waste disposal plant in accordance with

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local/national regulation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|---------|---|--------------|------------------|------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 94-36-0 | Dibenzoyl peroxide | | | 5 - < 15 % |
| | 202-327-6 | 617-008-00-0 | 01-2119511472-50 | |
| | Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H241 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 | | |
| 94-36-0 | 202-327-6 | Dibenzoyl peroxide | 5 - < 15 % |
| | M akut; H400: M=10 M chron.; H410: M=10 | | |

Further Information

The product has been tested for aquatic toxicity. The tests show no need for classification of the product as toxic and harmful to aquatic life. Test reports are available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

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

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

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

May cause an allergic skin reaction.

Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media

Foam
Extinguishing powder
Water spray jet
Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic
Carbon monoxide

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
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**

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand
Treat the recovered material as prescribed in the section on waste disposal.
Retain contaminated washing water and dispose it.

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**

Use only outdoors or in a well-ventilated area.
Wear personal protection equipment (refer to section 8).
Avoid contact with skin, eyes and clothes.
When using do not eat, drink or smoke.
Wash hands thoroughly after handling.
Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.
Store in a place accessible by authorized persons only.
Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Oxidising agent, strong
Do not use for products which come into contact with the food stuffs.

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Further information on storage conditions

Keep container tightly closed in a cool place.
storage temperature: 5 - 25°C

7.3. Specific end use(s)

see section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|---------|--------------------|-----|-------|-----------|-----------|--------|
| 94-36-0 | Dibenzoyl peroxide | - | 5 | | TWA (8 h) | WEL |
| 56-81-5 | Glycerol, mist | - | 10 | | TWA (8 h) | WEL |

DNEL/DMEL values

| CAS No | Substance | | | |
|--------------------------|--------------------|----------------|----------|-------------------|
| DNEL type | | Exposure route | Effect | Value |
| 94-36-0 | Dibenzoyl peroxide | | | |
| Consumer DNEL, long-term | | oral | systemic | 2 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | systemic | 13,3 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 39 mg/m³ |

PNEC values

| CAS No | Substance | Value |
|---------------------|--------------------|---------------|
| 94-36-0 | Dibenzoyl peroxide | |
| Freshwater | | 0,00002 mg/l |
| Marine water | | 0,000002 mg/l |
| Freshwater sediment | | 0,013 mg/kg |
| Marine sediment | | 0,001 mg/kg |

Additional advice on limit values

This mixture contains quartz filler which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Protective and hygiene measures

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection programme. Wash hands thoroughly after handling. When using do not eat or drink.

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Eye/face protection

Wear eye protection/face protection. Wear safety glasses.

Hand protection

Disposable gloves

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: > 0,2 mm

DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|------------------|-------------------|----------------|
| Physical state: | solid (pasty) | |
| Colour: | black | |
| Odour: | characteristic | |
| Odour threshold: | No data available | |
| pH-Value: | | not determined |

Changes in the physical state

| | |
|--|----------------|
| Melting point: | not determined |
| Initial boiling point and boiling range: | not determined |
| Flash point: | not applicable |

Flammability

| | |
|-------------------------|----------------|
| Solid: | not determined |
| Gas: | not applicable |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |

Auto-ignition temperature

| | |
|----------------------------|----------------|
| Solid: | not determined |
| Gas: | not applicable |
| Decomposition temperature: | not determined |

Oxidizing properties

| | |
|-----------------------------------|--|
| Not oxidising. | |
| Available oxygen content (%) < 1% | |
| no classification | |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,59 g/cm³ |
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. |

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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

see section 10.3

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Violent reaction with: Oxidising agent

10.4. Conditions to avoid

see section 7.2

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Benzoic acid

Benzene

Biphenyl

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 |
| 94-36-0 | Dibenzoyl peroxide | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | | |

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (Dibenzoyl peroxide)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

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.

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Further information

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

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

OECD 201 (Desmodesmus subspicatus)

IC10: (0 - 72 h) = 30 mg/l

IC50: (0 - 72 h) = 150 mg/l

OECD 202 (Daphnia magna)

EC0/NOEC (48h) = 100 mg/l

EC50 (48h) = >500 mg/l

EC100 (48h) = >>500 mg/l

OECD 203 (Danio rerio)

LC0/NOEC : 250 mg/l

LC50 : > 500 mg/l

LC100 : >> 500 mg/l

| CAS No | Chemical name | | | | | |
|---------|--------------------------|---------------|-----------|---------|--|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 94-36-0 | Dibenzoyl peroxide | | | | | |
| | Acute fish toxicity | LC50 mg/l | 0,0602 | 96 h | Oncorhynchus mykiss (Rainbow trout) | OECD 203 |
| | Acute algae toxicity | ErC50 mg/l | 0,0711 | 72 h | Pseudokirchneriella subcapitata | OECD 201 |
| | Acute crustacea toxicity | EC50 | 0,11 mg/l | 48 h | Daphnia magna (Big water flea) | OECD 202 |
| | Algae toxicity | NOEC mg/l | 0,02 | 3 d | Pseudokirchneriella subcapitata | OECD 201 |
| | Crustacea toxicity | NOEC mg/l | 0,001 | 21 d | Daphnia magna (Big water flea) | OECD 211 |
| | Acute bacteria toxicity | (35 mg/l) | 0,5 h | | | OECD 209 |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|---------|---|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 94-36-0 | Dibenzoyl peroxide | | | |
| | OECD 301D | 71% | 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 |
|---------|--------------------|---------|
| 94-36-0 | Dibenzoyl peroxide | 3,2 |

12.4. Mobility in soil

The product has not been tested.

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12.5. Results of PBT and vPvB assessment

The product has not been tested.

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

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations.

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

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

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- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

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

not applicable

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 Not subject to 2012/18/EU (SEVESO III) (SEVESO III):

Additional information

VOC content: 4,3 % (DIN EN ISO 11890-2)

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

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): 1 - slightly 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

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation
 (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
 ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 CAS: Chemical Abstracts Service
 CLP: Classification, Labeling and Packaging
 DMEL: Derived Minimal Effect level
 DNEL: Derived No Effect Level
 EC50: Effective concentration, 50%
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)
 ICAO: International Civil Aviation Organization
 IC50: Inhibitory concentration, 50%
 IMDG: International Maritime Code for Dangerous Goods
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 NOEC: No Observed Effect Concentration
 OECD: Organisation for Economic Co-operation and Development

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PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Rail)

VOC: Volatile organic compound

Aquatic Acute 1: Acute aquatic hazard, Category 1

Aquatic Chronic 1: Long-term aquatic hazard, Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Skin Sens. 1: Skin sensitization, Category 1

Org. Perox. B: Organic Peroxides, Type B

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

| Classification | Classification procedure |
|--------------------|--------------------------|
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|---|
| H241 | Heating may cause a fire or explosion. |
| 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. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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