# CULR™ Art Pigment for Epoxy – Ash Grey



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

### 1.1. Product identifier

CULR™ Art Pigment for Epoxy – Ash Grey

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

**Use of the substance/mixture**

Colour, Pigment

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

Identification of the company:
Easy Composites Ltd
Unit 39 Park Hall Business Village
Stoke on Trent, ST3 5XA. United Kingdom.
Phone: +44 (0)1782 4544499

Information to substance / mixture:
Division: Technical
E-mail: technical@glasscastresin.com

### 1.4. Emergency telephone number:

Emergency CONTACT (Office Hours) Phone: +44 (0)1782 4544499

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

**GB CLP Regulation**

**Special labelling of certain mixtures**

| | |
|---|---|
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, reaction mass of 5 -chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Relevant ingredients**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 68186-94-7 | Manganese ferrite black spinel | | | 40 - < 45 % |
| | 269-056-3 | | | |
| | | | | |
| 68920-66-1 | Alcohols, C16-18 and C18-unsatd., ethoxylated | | | 5 - < 10 % |
| | 500-236-9 | | | |
| | Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 3; H315 H400 H412 | | | |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | | | < 0.05 % |
| | 220-120-9 | 613-088-00-6 | 01-2120761540-60 | |
| | Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H330 H302 H315 H318 H317 H400 H411 | | | |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | | < 0.0015 % |
| | - | 613-167-00-5 | 01-2120764691-48 | |
| | Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071 | | | |

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

**Specific Conc. Limits, M-factors and ATE**

| CAS No | EC No | Chemical name | Quantity |
|---|---|---|---|
| | Specific Conc. Limits, M-factors and ATE | | |
| 68920-66-1 | 500-236-9 | Alcohols, C16-18 and C18-unsatd., ethoxylated | 5 - < 10 % |
| | Aquatic Acute 1; H400: M=1 | | |
| 2634-33-5 | 220-120-9 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | < 0.05 % |
| | inhalation: ATE = 0,5 mg/l (vapours); inhalation: LC50 = 0,5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 670 - 784 mg/kg Skin Sens. 1; H317: >= 0,05 - 100 | | |
| 55965-84-9 | - | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | < 0.0015 % |
| | inhalation: ATE = 0,5 mg/l (vapours); inhalation: LC50 = 0,171 mg/l (dusts or mists); dermal: LD50 = 92,4 mg/kg; oral: LD50 = 64 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100 | | |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

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

**After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Get medical advice/attention.

**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. In case of skin reactions, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. @0405.B004145 Get medical advice/attention.

**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.
Water spray jet, Extinguishing powder, Carbon dioxide ($CO_2$), alcohol resistant foam.

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Non-flammable. In case of fire may be liberated: Carbon monoxide, Carbon dioxide ($CO_2$), Nitrogen oxides ($NO_x$).

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. 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**

**General advice**

Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothes.

**For non-emergency personnel**

Provide adequate ventilation. Use personal protection equipment.

**For emergency responders**

Wear personal protection equipment (refer to section 8).

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

**For containment**

Stop leak if safe to do so. Cover drains.

**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.

**Other information**

Clean contaminated articles and floor according to the environmental legislation.

**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**

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapours/spray. Use personal protection equipment.

**Advice on protection against fire and explosion**

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

**Advice on general occupational hygiene**

Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Draw up and observe skin protection programme. Use protective skin cream before handling the product. When using do not eat, drink, smoke, sniff.

**Further information on handling**

Handle and open container with care.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Hints on joint storage**

No information available.

**Further information on storage conditions**

storage stability: >= 36 month(s)

### 7.3. Specific end use(s)

Colour, Pigment

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|---|---|---|---|---|---|---|
| 1317-65-3 | Calcium carbonate, inhalable dust | - | 10 | | TWA (8 h) | WEL |
| 1317-65-3 | Calcium carbonate, respirable | - | 4 | | TWA (8 h) | WEL |
| 1309-37-1 | Iron oxide, fume (as Fe) | - | 5 | | TWA (8 h) | WEL |
| | | - | 10 | | STEL (15 min) | WEL |
| - | Iron salts (as Fe) | - | 1 | | TWA (8 h) | WEL |
| | | - | 2 | | STEL (15 min) | WEL |
| - | Manganese: its inorganic compounds (as Mn, inhalable fraction) | - | 0.2 | | TWA (8 h) | WEL |
| - | Manganese: its inorganic compounds (as Mn, respirable fraction) | - | 0.05 | | TWA (8 h) | WEL |
| 57-55-6 | Propane-1,2-diol, particulates | - | 10 | | TWA (8 h) | WEL |
| 57-55-6 | Propane-1,2-diol, total vapour and particulates | 150 | 474 | | TWA (8 h) | WEL |
| 1309-37-1 | Rouge, respirable | - | 4 | | TWA (8 h) | WEL |
| 1309-37-1 | Rouge, total inhalable | - | 10 | | TWA (8 h) | WEL |
| - | Silica, amorphous, inhalable dust | - | 6 | | TWA (8 h) | WEL |
| - | Silica, amorphous, respirable dust | - | 2.4 | | TWA (8 h) | WEL |

**DNEL/DMEL values**

| CAS No | Substance | | | |
|---|---|---|---|---|
| DNEL type | | Exposure route | Effect | Value |
| 57-55-6 | Propane-1,2-diol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 168 mg/m³ |
| Worker DNEL, long-term | | inhalation | local | 10 mg/m³ |
| Consumer DNEL, long-term | | inhalation | systemic | 50 mg/m³ |
| Consumer DNEL, long-term | | inhalation | local | 10 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 213 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 85 mg/kg bw/day |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | | | |
| Worker DNEL, long-term | | inhalation | systemic | 6,81 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 0,966 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,2 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,345 mg/kg bw/day |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | | |
| Worker DNEL, long-term | | inhalation | local | 0,02 mg/m³ |
| Worker DNEL, acute | | inhalation | local | 0,04 mg/m³ |
| Consumer DNEL, long-term | | inhalation | local | 0,02 mg/m³ |
| Consumer DNEL, acute | | inhalation | local | 0,04 mg/m³ |
| Consumer DNEL, long-term | | oral | systemic | 0,09 mg/kg bw/day |
| Consumer DNEL, acute | | oral | systemic | 0,11 mg/kg bw/day |

**PNEC values**

| CAS No | Substance | |
|---|---|---|
| Environmental compartment | | Value |
| 57-55-6 | Propane-1,2-diol | |
| Freshwater | | 260 mg/l |
| Freshwater (intermittent releases) | | 183 mg/l |
| Marine water | | 26 mg/l |
| Marine water (intermittent releases) | | 183 mg/l |
| Freshwater sediment | | 572 mg/kg |
| Marine sediment | | 57,2 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 20000 mg/l |
| Soil | | 50 mg/kg |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | |
| Freshwater | | 0,00403 mg/l |
| Freshwater (intermittent releases) | | 0,0011 mg/l |
| Marine water | | 0,000403 mg/l |
| Freshwater sediment | | 0,0499 mg/kg |
| Marine sediment | | 0,00499 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1,03 mg/l |
| Soil | | 3 mg/kg |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | |
| Freshwater | | 0,00339 mg/l |
| Freshwater (intermittent releases) | | 0,00339 mg/l |
| Marine water | | 0,00339 mg/l |
| Freshwater sediment | | 0,027 mg/kg |
| Marine sediment | | 0,027 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 0,23 mg/l |
| Soil | | 0,01 mg/kg |

## 8.2. Exposure controls


**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear eye protection/face protection.

**Hand protection**

Wear protective gloves.

Suitable material: NBR (Nitrile rubber)

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. Breakthrough times and swelling properties of the material must be taken into consideration.

**Skin protection**

Use of protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Thermal hazards**

No information available.

**Environmental exposure controls**

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state: | Liquid (Dispersion) |
| Colour: | grey |
| Odour: | odourless |
| Odour threshold: | not applicable |
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | 100 °C |
| Flammability: | Non-flammable. |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | > 100 °C |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | > 100 °C |
| pH-Value: | not determined |
| Viscosity / kinematic: | not determined |
| Water solubility: | miscible |
| Solubility in other solvents | |
| not determined | |
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 2,0 g/cm³ |
| Relative vapour density: | not determined |
| Particle characteristics: | not applicable |

### 9.2. Other information

No information available.

## 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

No known hazardous reactions.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

**Acute toxicity**

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

**ATEmix calculated**

ATE (oral) 32813 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | | |
|---|---|---|---|---|---|---|
| | Exposure route | Dose | | Species | Source | Method |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | | | | | |
| | oral | LD50 mg/kg | 670 - 784 | Rat | Manufacturer | OECD 401 |
| | dermal | LD50 mg/kg | > 2000 | Rat | Manufacturer | OECD 402 |
| | inhalation vapour | ATE | 0,5 mg/l | | | |
| | inhalation (4 h) dust/mist | LC50 | 0,5 mg/l | Rat | Manufacturer | OPPTS 870.1300 |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | | | | |
| | oral | LD50 | 64 mg/kg | Rat | Manufacturer | |
| | dermal | LD50 mg/kg | 92,4 | Rabbit | Manufacturer | |
| | inhalation vapour | ATE | 0,5 mg/l | | | |
| | inhalation (4 h) dust/mist | LC50 mg/l | 0,171 | Rat | Manufacturer | OECD 403 |

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
Skin corrosion/irritation:
Result / Evaluation: non-irritant. (Rabbit)
Method: OECD 404
Test was carried out with a similar formulation. (By analogy.)

Serious eye damage/eye irritation:
Result / Evaluation: non-irritant. (Rabbit)
Method: OECD 405
Test was carried out with a similar formulation. (By analogy.)

**Sensitising effects**

Based on available data, the classification criteria are not met.
Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: 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.

**Information on likely routes of exposure**

Skin contact, Eye contact, @ES04.B002063, Inhalation.

### 11.2. Information on other hazards

**Endocrine disrupting properties**

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.
The product is not: Ecotoxic.

| CAS No | Chemical name | | | | | | |
|---|---|---|---|---|---|---|---|
| | Aquatic toxicity | Dose | | [h] \| [d] | Species | Source | Method |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | | | | | | |
| | Acute algae toxicity | ErC50 | 0,110 mg/l | 72 h | Selenastrum capricornutum | Manufacturer | OECD 201 |
| | Acute crustacea toxicity | EC50 | 0,643 mg/l | 48 h | Daphnia magna (Big water flea) | Manufacturer | OECD 202 |
| | Fish toxicity | NOEC | 0,21 mg/l | 28 d | Oncorhynchus mykiss (Rainbow trout) | Manufacturer | OECD 215 |
| | Crustacea toxicity | NOEC | 0,25 mg/l | 4 d | Mysidopsis bahia | Manufacturer | |
| | Acute bacteria toxicity | EC50 | 23 mg/l ( ) | 3 h | Activated sludge | Manufacturer | OECD 209 |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | | | | | |
| | Acute algae toxicity | ErC50 | 0,0052 mg/l | 72 h | Skeletonema costatum | Manufacturer | OECD 201 |
| | Acute bacteria toxicity | EC50 | 7,92 mg/l ( ) | 3 h | Activated sludge | Manufacturer | OECD 209 |

### 12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|---|---|---|---|---|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | | | |
| | OECD 301C | 85 % | 63 | Manufacturer |
| | Moderately/partially biodegradable. | | | |

### 12.3. Bioaccumulative potential

The product has not been tested.

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | -0,71 - 0,75 |

**BCF**

| CAS No | Chemical name | BCF | Species | Source |
|---|---|---|---|---|
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | 6,62 | Lepomis macrochirus (Bluegill) | Manufacturer |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 3,6 | | Manufacturer |

**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.

**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:** 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 or ID 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 or ID 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 or ID 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. Maritime transport in bulk according to IMO instruments**

not applicable

## 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 75

| | |
|---|---|
| Directive 2004/42/EC on VOC in paints and varnishes: | < 5 % |
| Information according to Directive 2012/18/EU (SEVESO III): | Not subject to 2012/18/EU (SEVESO III) |

**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 |

**Additional information**

Observe in addition any national regulations!

**15.2. Chemical safety assessment**

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

## SECTION 16: Other information

**Abbreviations and acronyms**

Acute Tox: Acute toxicity
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Skin Sens: Skin sensitisation
Aquatic Acute: Acute aquatic hazard
Aquatic Chronic: Chronic aquatic hazard
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
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
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
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
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)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern

**Key literature references and sources for data**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |

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|---|---|
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, reaction mass of 5 -chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |

**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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*