

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 1 of 12

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Connex Silver Plus (HEMA-frei)

**Further trade names**

21117, 21116, 92141, 44675Y, 92442

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

Cosmetic product

Restricted to professional users.

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

|                 |                                   |                              |
|-----------------|-----------------------------------|------------------------------|
| Company name:   | CosTrade Beauty Consulting GmbH   |                              |
| Street:         | Buxera 25                         |                              |
| Place:          | AT-6837 Weiler                    |                              |
| Telephone:      | +43 5523 53750 16                 | Telefax: +43 5523 53750 4    |
| Contact person: | Dipl.-Chem. Katrin Kaltenberg     | Telephone: +49 6723 6020 761 |
| E-mail:         | katrin.kaltenberg@wilde-group.com |                              |
| Internet:       | www.costrade.at                   |                              |

**1.4. Emergency telephone number:**

+49 6723 6020 761 This telephone number is available during office hours only.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 2; H225

Eye Irrit. 2; H319

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

The Product is subject to the German Cosmetics Ordinance.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

HYDROXYPROPYL METHACRYLATE

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

**Signal word:** Danger**Pictograms:****Hazard statements**

H225

Highly flammable liquid and vapour.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

**Precautionary statements**

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P264

Wash hands thoroughly after handling.

P210

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

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 2 of 12

|                |  |
|----------------|--|
|                | smoking.   |
| P233           | Keep container tightly closed.   |
| P240           | Ground and bond container and receiving equipment.   |
| P241           | Use explosion-proof electrical/ventilating/lighting equipment.   |
| P242           | Use non-sparking tools.  |
| P243           | Take action to prevent static discharges.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P370+P378      | In case of fire: Use sand, extinguishing powder or alcohol-resistant foam to extinguish.   |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P501           | Dispose of contents/container to an appropriate recycling or disposal facility.  |

**Special labelling of certain mixtures**

Restricted to professional users.

**2.3. Other hazards**

Keep out of the reach of children.

Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Cosmetics, personal care products: resinoid

Restricted to professional users.

**Hazardous components**

| CAS No     | Chemical name                                 |          |                  | Quantity |
|------------|---|----------|------------------|----------|
|            | EC No   | Index No | REACH No         |          |
|            | Classification (GB CLP Regulation)            |          |                  |          |
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE                    |          |                  | 25-50 %  |
|            | 248-666-3                                     |          | 01-2119490226-37 |          |
|            | Eye Irrit. 2, Skin Sens. 1; H319 H317         |          |                  |          |
| 84434-11-7 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE      |          |                  | 0,1-1 %  |
|            | 282-810-6                                     |          | 01-2119987994-10 |          |
|            | Skin Sens. 1B, Aquatic Chronic 2; H317 H411   |          |                  |          |
| 7440-22-4  | COLLOIDAL SILVER                              |          |                  | 0,1-1 %  |
|            | 231-131-3                                     |          | 01-2119555669-21 |          |
|            | Aquatic Acute 1, Aquatic Chronic 1; H400 H410 |          |                  |          |

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

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 3 of 12

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

| CAS No     | EC No     | Chemical name  | Quantity |
|------------|-----------|--|----------|
|            |           | Specific Conc. Limits, M-factors and ATE             |          |
| 27813-02-1 | 248-666-3 | HYDROXYPROPYL METHACRYLATE                           | 25-50 %  |
|            |           | dermal: LD50 = >5000 mg/kg; oral: LD50 = >2000 mg/kg |          |
| 84434-11-7 | 282-810-6 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE             | 0,1-1 %  |
|            |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg |          |

**Further Information**

The Product is subject to the German Cosmetics Ordinance.

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

Take off all contaminated clothing immediately. Call a physician immediately.

**After inhalation**

Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

**After contact with skin**

In case of contact, immediately flush skin with soap and plenty of water. If skin irritation occurs, seek medical advice/attention. In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

**After contact with eyes**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of eye.

**After ingestion**

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

Vapours may cause irritation to the eyes, respiratory system and the skin. May cause sensitization by skin contact. Vapours may cause drowsiness and dizziness. Symptoms: Exposure may result in reddening, tears and itching of the eyes and soreness in the nose and throat, together with coughing. Difficulty in breathing. May cause headache and dizziness. Unconsciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

**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**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

Vapours are heavier than air and may spread along floors. Vapors may spread long distances and ignite. Vapours may form explosive mixtures with air. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from sources of ignition - No smoking. Use water

# Safety Data Sheet

according to UK REACH Regulation

## Connex Silver Plus (HEMA-frei)

Revision date: 29.06.2023

Product code: 6156N

Page 4 of 12

spray to cool unopened containers. Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use only explosion-proof equipment.

### **Additional information**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **General advice**

Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment. Keep away from sources of ignition - No smoking. Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes.

### **6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

#### **Other information**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation. Use explosion-proof equipment.

### **6.4. Reference to other sections**

13. Disposal considerations

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Use only with adequate ventilation. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice. Take notice of labels and material safety data sheets for the working chemicals. Refer also to instructions for use.

#### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges. Vapors may spread long distances and ignite. Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking.

#### **Advice on general occupational hygiene**

Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday.

#### **Further information on handling**

When using, do not eat, drink or smoke. Polymerisation occurs when exposed to white light, ultraviolet light or heat.

Refer also to instructions for use.

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

#### **Requirements for storage rooms and vessels**

Keep in an area equipped with solvent resistant flooring. Keep away from heat and sources of ignition. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Protect from frost, heat and sunlight. Polymerisation occurs when exposed to white light, ultraviolet light or heat.

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 5 of 12

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Do not store together with: Material, oxygen-rich, Oxidising; Explosives; alkalines; Oxidizing and spontaneously flammable products; Flammable materials; Organic peroxides; Oxidizing agents.

**Further information on storage conditions**

Recommended storage temperature: &gt;18 - &lt;25 °C. Short-term maximum storage temperature permitted: 40 °C.

**7.3. Specific end use(s)**

Cosmetic product

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

| CAS No    | Substance        | ppm  | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|-----------|------------------|------|-------------------|-----------|-----------|--------|
| 64-17-5   | Ethanol          | 1000 | 1920              |           | TWA (8 h) | WEL    |
| 7440-22-4 | Silver, metallic | -    | 0.1               |           | TWA (8 h) | WEL    |

**DNEL/DMEL values**

| CAS No                   | Substance                                | Exposure route | Effect   | Value                  |
|--------------------------|--|----------------|----------|------------------------|
| 64-17-5                  | ethanol; ethyl alcohol                   |                |          |                        |
| Worker DNEL, long-term   |  | inhalation     | systemic | 950 mg/m <sup>3</sup>  |
| Worker DNEL, acute       |  | inhalation     | local    | 1900 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | dermal         | systemic | 343 mg/kg bw/day       |
| Consumer DNEL, long-term |  | inhalation     | systemic | 114 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     |  | inhalation     | local    | 950 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |  | dermal         | systemic | 206 mg/kg bw/day       |
| Consumer DNEL, long-term |  | oral           | systemic | 87 mg/kg bw/day        |
| 27813-02-1               | HYDROXYPROPYL METHACRYLATE               |                |          |                        |
| Worker DNEL, long-term   |  | inhalation     | systemic | 14,7 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | dermal         | systemic | 4,2 mg/kg bw/day       |
| Consumer DNEL, long-term |  | inhalation     | systemic | 8,8 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |  | dermal         | systemic | 2,5 mg/kg bw/day       |
| Consumer DNEL, long-term |  | oral           | systemic | 2,5 mg/kg bw/day       |
| 84434-11-7               | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE |                |          |                        |
| Worker DNEL, long-term   |  | inhalation     | systemic | 4,93 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | dermal         | systemic | 1,4 mg/kg bw/day       |
| Consumer DNEL, long-term |  | inhalation     | systemic | 0,87 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |  | dermal         | systemic | 0,5 mg/kg bw/day       |
| Consumer DNEL, long-term |  | oral           | systemic | 0,5 mg/kg bw/day       |
| 7440-22-4                | COLLOIDAL SILVER                         |                |          |                        |
| Worker DNEL, long-term   |  | inhalation     | systemic | 0,1 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |  | inhalation     | systemic | 0,04 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |  | oral           | systemic | 1,2 mg/kg bw/day       |

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 6 of 12

**PNEC values**

| CAS No   | Substance                                | Value         |
|--|--|---------------|
| Environmental compartment                        |  |               |
| 64-17-5  | ethanol; ethyl alcohol                   |               |
| Freshwater                                       |  | 0,96 mg/l     |
| Freshwater (intermittent releases)               |  | 2,75 mg/l     |
| Marine water                                     |  | 0,79 mg/l     |
| Freshwater sediment                              |  | 3,6 mg/kg     |
| Marine sediment                                  |  | 2,9 mg/kg     |
| Secondary poisoning                              |  | 380-720 mg/kg |
| Soil   |  | 0,63 mg/kg    |
| 27813-02-1                                       | HYDROXYPROPYL METHACRYLATE               |               |
| Freshwater                                       |  | 0,904 mg/l    |
| Freshwater (intermittent releases)               |  | 0,972 mg/l    |
| Marine water                                     |  | 0,904 mg/l    |
| Marine water (intermittent releases)             |  | 0,972 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   |
| 84434-11-7                                       | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE |               |
| Freshwater                                       |  | 0,00101 mg/l  |
| Freshwater (intermittent releases)               |  | 0,0101 mg/l   |
| Marine water                                     |  | 0,000101 mg/l |
| Marine water (intermittent releases)             |  | 0,00101 mg/l  |
| Freshwater sediment                              |  | 0,24 mg/kg    |
| Marine sediment                                  |  | 0,024 mg/kg   |
| Soil   |  | 0,047 mg/kg   |
| 7440-22-4  | COLLOIDAL SILVER                         |               |
| Freshwater                                       |  | 0,00004 mg/l  |
| Marine water                                     |  | 0,00086 mg/l  |
| Freshwater sediment                              |  | 438,13 mg/kg  |
| Marine sediment                                  |  | 438,13 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) |  | 0,025 mg/l    |
| Soil   |  | 1,41 mg/kg    |

**8.2. Exposure controls****Appropriate engineering controls**

Information about special precautions needed for bulk handling is available on request. Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 7 of 12

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly fitting safety goggles

**Hand protection**

Use protective skin cream before handling the product. Solvent-resistant gloves (butyl-rubber) Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Replace when worn.

**Skin protection**

Protective suit

**Respiratory protection**

Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Respiratory protection complying with EN 141.

**Environmental exposure controls**

The product should not be allowed to enter drains, water courses or the soil. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|   |                        |
|---|------------------------|
| Physical state:   | liquid                 |
| Colour:   | colourless             |
| Odour:  | characteristic         |
| Boiling point or initial boiling point and boiling range: | 78.29 °C               |
| Flash point:  | 12,85 °C               |
| Auto-ignition temperature:                                | 362,85 °C              |
| Water solubility:   | soluble                |
| Solubility in other solvents                              |                        |
| miscible with most organic solvents                       |                        |
| Vapour pressure:  | 57,26 hPa              |
| (at 20 °C)  |                        |
| Density:  | 0,89 g/cm <sup>3</sup> |

**9.2. Other information****Other safety characteristics**

Solvent content: 54,14 %

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data is available on the product itself.

**10.2. Chemical stability**

Keep containers tightly closed in a cool, well-ventilated place.

**10.3. Possibility of hazardous reactions**

Polymerization can occur.

**10.4. Conditions to avoid**

Keep away from heat and sources of ignition. Do not smoke.  
Exposure to light. Keep away from direct sunlight. Do not expose to temperatures above 40 °C.  
Take measures to prevent the build up of electrostatic charge.

**10.5. Incompatible materials**

Strong oxidizing agents, Strong acids and strong bases, Peroxides

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 8 of 12

**10.6. Hazardous decomposition products**

acetic acid. In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**Further information**

Vapours may form explosive mixtures with air.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No data is available on the product itself.

**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

| CAS No     | Chemical name                            |                  |         |        |                         |
|------------|--|------------------|---------|--------|-------------------------|
|            | Exposure route                           | Dose             | Species | Source | Method                  |
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE               |                  |         |        |                         |
|            | oral                                     | LD50 >2000 mg/kg | rat     |        | OECD Test Guideline 401 |
|            | dermal                                   | LD50 >5000 mg/kg | rabbit  |        |                         |
| 84434-11-7 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE |                  |         |        |                         |
|            | oral                                     | LD50 >5000 mg/kg | rat     |        | OECD 401                |
|            | dermal                                   | LD50 >2000 mg/kg | rat     |        | OECD 402                |

**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. (HYDROXYPROPYL METHACRYLATE; ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE)

**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.

**Specific effects in experiment on an animal**

No data is available on the product itself.

**11.2. Information on other hazards****Other information**

Health injuries are not known or expected under normal use.

**Further information**

Harmful if swallowed. Effects due to ingestion may include: Nausea, narcosis, Weakness, Dizziness,



# Safety Data Sheet

according to UK REACH Regulation

## Connex Silver Plus (HEMA-frei)

Revision date: 29.06.2023

Product code: 6156N

Page 9 of 12

Unconsciousness. If inhaled: Irritation of mucous membranes, Dizziness. Repeated exposure may cause skin dryness or cracking.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No data is available on the product itself.

| CAS No     | Chemical name                            |                   |           |                                 |        |                         |
|------------|--|-------------------|-----------|---------------------------------|--------|-------------------------|
|            | Aquatic toxicity                         | Dose              | [h]   [d] | Species                         | Source | Method                  |
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE               |                   |           |                                 |        |                         |
|            | Acute fish toxicity                      | LC50 493 mg/l     | 96 h      | Leuciscus idus (golden orfe)    |        | DIN 38412 / part 15     |
|            | Acute algae toxicity                     | ErC50 mg/l >97,2  | 72 h      | Pseudokirchneriella subcapitata |        | OECD Test Guideline 201 |
|            | Acute crustacea toxicity                 | EC50 mg/l >143    | 48 h      | Daphnia magna (Water flea)      |        | OECD Test Guideline 202 |
|            | Algae toxicity                           | NOEC mg/l 97,2    | 3 d       | Pseudokirchneriella subcapitata |        | OECD Test Guideline 201 |
|            | Crustacea toxicity                       | NOEC mg/l 45,2    | 21 d      | Daphnia magna (Water flea)      |        | OECD 211                |
| 84434-11-7 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE |                   |           |                                 |        |                         |
|            | Acute fish toxicity                      | LC50 mg/l 1,89    | 96 h      | Brachydanio rerio (zebra fish)  |        | OECD Test Guideline 203 |
|            | Acute algae toxicity                     | ErC50 mg/l 1,01   | 72 h      | Desmodesmus subspicatus         |        | OECD Test Guideline 201 |
|            | Acute crustacea toxicity                 | EC50 mg/l 2,26    | 48 h      | Daphnia magna (Water flea)      |        | OECD Test Guideline 202 |
|            | Fish toxicity                            | NOEC mg/l >=1,29  | 4 d       | Brachydanio rerio (zebra fish)  |        | OECD Test Guideline 203 |
|            | Acute bacteria toxicity                  | (EC50 mg/l) >1000 | 3 h       | Activated sludge                |        | OECD 209                |

#### 12.2. Persistence and degradability

No data is available on the product itself.

| CAS No     | Chemical name                                       |       |    |        |
|------------|---|-------|----|--------|
|            | Method  | Value | d  | Source |
|            | Evaluation  |       |    |        |
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE                          |       |    |        |
|            | OECD 301C   | 81%   | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |
| 84434-11-7 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE            |       |    |        |
|            | OECD 301F   | <10%  | 28 |        |
|            | Not readily biodegradable.                          |       |    |        |

#### 12.3. Bioaccumulative potential

No data is available on the product itself.

##### Partition coefficient n-octanol/water

| CAS No     | Chemical name                            | Log Pow |
|------------|--|---------|
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE               | 0,97    |
| 84434-11-7 | ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE | 2,91    |

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 10 of 12

**BCF**

| CAS No     | Chemical name              | BCF | Species | Source |
|------------|----------------------------|-----|---------|--------|
| 27813-02-1 | HYDROXYPROPYL METHACRYLATE | 3,2 |         |        |

**12.4. Mobility in soil**

No data is available on the product itself.

**12.5. Results of PBT and vPvB assessment**

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

No data is available on the product itself.

**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**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of contents/container in accordance with local regulation.

**List of Wastes Code - residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - used product**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**Contaminated packaging**

Dispose of contents/container in accordance with local regulation.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number or ID number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 163 640C 650

Limited quantity: 5 L

## Safety Data Sheet

according to UK REACH Regulation

### Connex Silver Plus (HEMA-frei)

Revision date: 29.06.2023

Product code: 6156N

Page 11 of 12

Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 163 640C 650  
 Limited quantity: 5 L  
 Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Special Provisions: 163  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 EmS: F-E, S-E

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Special Provisions: A3 A72  
 Limited quantity Passenger: 1 L  
 Passenger LQ: Y341  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

#### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

### SECTION 15: Regulatory information

**Safety Data Sheet**

according to UK REACH Regulation

**Connex Silver Plus (HEMA-frei)**

Revision date: 29.06.2023

Product code: 6156N

Page 12 of 12

**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 40, Entry 75

2010/75/EU (VOC): 54,14 % (481,846 g/l)

2004/42/EC (VOC): 54,25 % (482,825 g/l)

Subcategory according to Directive 2004/42/EC: Special finishes - All types, VOC limit value: 840 g/l

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**Additional information**

Other labelling like: Kosmetikverordnung

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

**SECTION 16: Other information****Abbreviations and acronyms**

Flam. Liq: Flammable liquids

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 2; H225 | On basis of test data    |
| Eye Irrit. 2; H319 | Calculation method       |
| Skin Sens. 1; H317 | Calculation method       |

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

H225 Highly flammable liquid and vapour.  
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.  
H411 Toxic to aquatic life with long lasting effects.

**Further Information**

All data refer to the product upon delivery

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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