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| SECTI | ON 1 IDENTIFICATION O | F THE SUBS | TANCE/MI | XTURE AND OF THE COMPANY/UNDERTAKING | | |
|-------|----------------------------|--|------------------------|--|--|--|
| 1.1. | Product identifier | | | | | |
| | Trading name: | BIOFIX C | | | | |
| | Chemical name: | _ | | | | |
| | Catalogue number: | BFC-X** | | | | |
| 1.2. | Relevant identified uses | of the subs | tance or mi | ixture and uses advised against | | |
| | Uses: | | Fixative | based on ethyl alcohol, chloroform and acetic acid. | | |
| | Uses advised against: | | Only the | e identified uses are advised. | | |
| | Reason why uses advise | ROSCON MUM HIGGE SUMICON SUSINCE. | | duct is intended for use only as an <i>in vitro</i> diagnostic device and there is no reason to use it for other purposes. | | |
| 1.3. | Details of the supplier of | Details of the supplier of the safety data sheet | | | | |
| | Supplier: Bio | | ioGnost Ltd | oGnost Ltd. | | |
| | Address: | N | Medjugorska 59, Zagreb | | | |
| | Telephone number: | + | +385 1 2409997 | | | |
| | Fax no.: | + | 385 1 2404 | 039 | | |
| | e-mail of competent pe | erson: <u>m</u> | msds@biognost.hr | | | |
| | National contact: | - | | | | |
| 1.4. | Emergency telephone n | Emergency telephone number | | | | |
| | National Protection and | l Rescue Dir | ectorate: | 112 | | |
| | Medical information: | | | +385 1 2348 342 | | |
| | Other information: | | | - | | |

| SECTIO | CTION 2 HAZARDS INFORMATION | | | | |
|---------|---|---------------------|--|--|--|
| 2.1. | Classification of the substance or mixture | | | | |
| 2.1.1. | Classification according to (EC) Regulation No. 1272/2008 (CLP) | | | | |
| | Hazard class and category code: | Hazard statements*: | | | |
| | Flam. Liq. 2 | H225 | | | |
| | Acute Tox. 4 | H302 | | | |
| | Skin Irrit. 2 | H315 | | | |
| | Eye Irrit. 2 | H319 | | | |
| | Carc. 2 | H351 | | | |
| | STOT RE 2 | H373 | | | |
| 2.1.2. | Additional information | | | | |
| | - | | | | |
| *For fu | Il text of Hazard- and EU Hazard-statements: see | e Section 16 | | | |
| 2.2. | Label 1272/2008 (CLP) | | | | |
| | Product identification: BIOFIX C | | | | |



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| | - | |
|------|------------------------------|--|
| 2.3. | Other hazards | |
| | Further information: | - |
| | Precautionary statements: | P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P261 Avoid inhaling dust. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | Hazard statements: | H225 Highly flammable liquid and vapor. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H351 Suspected of causing cancer. H373 May cause damage to organs (liver, kidney) through prolonged or repeated exposure. |
| | Signal word: | Danger |
| | Hazard pictograms: | GHS02 GHS07 GHS08 |
| | Addionization no. | |
| | Authorization no.: | |
| | Identification number: | - |



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| CAS/ EC/ Index no. | REACH Registration No | Mass % | Identification name | Classification according to Regulation (EC) No 1272/2008 (CLP) |
|---|--------------------------|--------|---------------------|---|
| 64-17-5/ 200-578-6/ 603-002-00-5 | - | ≤ 70% | ethanol | Flam. Liq. 2; H225 |
| 67-66-3/ 200-663-8/ 602-006-00-4 | - | 15-30% | chloroform | Acute Tox. 4; H302 Skin Irr. 2; H315 Eye Irr.2; H319 Acute Tox. 4; H332 STOT SE 3; H336 Carc. 2; H351 Repr. 2; H361d STOT SE 2; H373 |
| 64-19-7/ 200-580-7/- 607-002-00-6 | - | < 10% | acetic acid, 99% | Flam. Liq. 3; H226 Skin Corr. 1B; H314 |

| 4.1. | Description of first aid measures | |
|------|-------------------------------------|---|
| | General notes: | If the suggested first aid measures do not prove sufficient, seek medical attention. |
| | Following inhalation: | Remove person to fresh air. If breathing stops, immediately apply artificial respiration. If breathing difficulties occur, use emergency breathing apparatus. If the symptoms persist, immediately consult a physician. |
| | Following skin contact: | Take off immediately all contaminated clothing. Immediately wash with plenty of water and soap for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. |
| | Following eye contact: | Rinse out with plenty of water with the eyelid held wide open for at least 15 minutes. If the symptoms remain, immediately call in ophthalmologist. |
| | Following ingestion: | If the afflicted person is vomiting, there may be risk of aspiration. Keep the airways open. Respiratory failure my occur immediately after aspiration of vomited content. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital. |
| | Self-protection of the first aider: | _ |



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| | Following inhalation: | Depending on concentration and exposure time, irritation of the mucous membrane of the nose/throat may occur (burning sensation, urge to sneeze, and runny nose). Very high concentration may cause difficult breathing, shortness of breath, coughing fits, chest tightness, headache, vertigo, and narcosis. | |
|------|--|--|--|
| | Following skin contact: | Depending on concentration and exposure time, it may lead to redness, rough and cracked skin. | |
| | Following eye contact: | Depending on concentration and exposure time, mucosa stinging, lacrimation, redness and pain may occur, as well as bleeding, delayed onset of inflammations and permanent eyesight damage. | |
| | Following ingestion: | Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting, vertigo, and headache. | |
| 4.3. | Indication of any immediate medical attention and special treatment needed | | |
| | - | | |

| SECTIO | SECTION 5 Firefighting measures | | | | |
|--------|--|---|--|--|--|
| 5.1. | Extinguishing media | | | | |
| | Suitable extinguishing media: | Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam | | | |
| | Unsuitable extinguishing media: | No information available | | | |
| 5.2. | Special hazards arising from the substance or mixture | | | | |
| | Hazardous combustion products: | Possible formation of hydrochloride. | | | |
| 5.3. | Advice for firefighters | | | | |
| | Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray, in order to prevent explosion. | | | | |
| 5.4. | Additional information | | | | |
| | Remove sources of heat and ignition | n. Do not contaminate the environment with extinguishing media. | | | |

| SECTIO | CTION 6 ACCIDENTAL RELEASE MEASURES | | | | |
|--------|---|---|--|--|--|
| 6.1. | Personal precautions, protective equipment and emergency procedures | | | | |
| 6.1.1. | For non-emergency personnel | | | | |
| | Protective equipment: | Use personal protective equipment (see Section 8). | | | |
| | Accident prevention methods: | Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Remove all sources of sparks and ignition. Do not smoke. | | | |
| | Emergency procedures: | Mark the area using proper signs. | | | |
| 6.1.2. | For emergency responders: | | | | |



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| | Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8). | | | | | |
|--------|--|---|--|--|--|--|
| 6.2. | Environmental precaut | Environmental precautions: | | | | |
| | - | Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112. | | | | |
| 6.3. | Methods and material | Methods and material for containment and cleaning up | | | | |
| 6.3.1. | For creating barriers, covering and sealing: | Sand or clay barriers. | | | | |
| 6.3.2. | Cleaning up: | Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water. | | | | |
| 6.3.3. | Other information: Do not use incompatible materials (see Section 10). | | | | | |
| 6.4. | Reference to other sections | | | | | |
| | - | | | | | |

| SECTIO | ON 7 HANDLING AN STORAGE | | | | |
|--------|---|---|--|--|--|
| 7.1. | Precautions for safe handling | | | | |
| 7.1.1. | Protection measures | | | | |
| | Measures to prevent fire: | | Use in well ventilated storage rooms. Keep away from sources of heat and ignition. Carry out measures for preventing static electricity. | | |
| | Measures to prevent aerosol and dust generat | ion: | Secure proper ventilation. | | |
| | Measures to protect the environment: | | Prevent spilling into the sewage system and waterways. | | |
| | Other measures: | | - | | |
| 7.1.2. | Advice on general occupational hygiene: | | | | |
| | Do not eat, drink or smoke in the workspace. T | horoug | phly wash hands after work and before eating. | | |
| 7.2. | Conditions for safe storage, including any inco | mpatib | ilities | | |
| | Technical measures and storage conditions: | venti | in tightly closed and upright set containers in a well lated storage rooms at temperatures ranging from 25 °C. | | |
| | Packaging materials: | Manı | ufacturer's original packaging. | | |
| | Requirements for storage rooms and vessels: | Keep away from food and drink. Keep the containers tightly closed. | | | |
| | Advices for storage equipment: | The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation. | | | |



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| | Further information on storage conditions: | Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9). |
|------|--|--|
| 7.3. | Specific end use(s) | |
| | Recommendations: | - |
| | Industrial sector specific solutions: | - |

| SECTION 8 EXPOSUI | RE CON | TROLS/PER | SONAL P | PROTE | CTION | | | | |
|-------------------------|-----------|--------------------|-------------|---------|--------------------------|--------------|------------------------|---------|-----------------------|
| 8.1. Control para | meters | | | | | | | | |
| Substance | | CAS I | No | | ipational e ues/short | | sure limit n values | Bio | ological limit values |
| | | | - | þ | ppm | | mg/m³ | | |
| Chloroform 67-0 | | 67-66 | 5-3 | | 2/- | | 10/- | | - |
| Ethanol | | 64-17 | '- 5 | 10 | 000/- | | 1900/- | | |
| Acetic acid, glacial | | 64-19 |)-7 | - | 10/- | | 25/- | | |
| Substance - name: | | | | | | | | | |
| EC No: - | | CAS No: | - | | | | | | |
| DNEL | | | | | | | | | |
| | | | | Ind | ustrial | | | | |
| Route of exposure: | , | Acute | | Acute | te Chronic | | | Chronic | |
| Route of exposure. | effe | ffect local effect | | ct syst | emic | effect local | | al | effect systemic |
| Oral | - | | - | | | - | | | - |
| Inhalation | - | | - | | | - | | | - |
| Dermal | - | | - | | | - | | | - |
| Critical physical parar | neters: s | olubility, fla | mmability | y, corr | osivity: | | - | | |
| | | | | Con | sumer | | | | |
| Route of exposure: | | Acute | | Acute | | | Chronic | | Chronic |
| | effe | ect local | effe | ct syst | emic | | effect loc | al | effect systemic |
| Oral | - | | - | | | - | | | - |
| Inhalation | - | | - | | | - | | | - |
| Dermal | - | | - | | | - | | | - |
| PNEC | | | | | | | | | |
| Environmental protec | tion tar | get | | | PNEC | | | | |
| Fresh water | | | | | No information available | | | | |
| Freshwater sediments | 5 | | | | No information available | | | | |



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| Marine wa | ater | | No information available | | |
|-------------|--|--|--|--|--|
| Marine se | ediments | | No information available | | |
| Food chai | in | | No information available | | |
| Microorga | anisms in sewage treatment | | No information available | | |
| Soil (agric | cultural) | | No information available | | |
| Air | | | No information available | | |
| | | | | | |
| 8.2. | Exposure controls | | | | |
| 8.2.1. | Appropriate engineering control | S | | | |
| | Substance/mixture related measures to prevent exposure during identified uses: | Use the product in well ventilated rooms. Use personal protection equipment. Do not eat, drink or smoke in the workspace. | | | |
| | Structural measures to prevent exposure: | No information available | | | |
| | Organisational measures to prevent exposure: | Organization of work in order to reduce other worker's influence during work process. | | | |
| | Technical measures to prevent exposure: | Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. | | | |
| 8.2.2. | Personal protection equipment | | | | |
| 8.2.2.1. | Eye and face protection: | Safety glasses that stick to face or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air. | | | |
| 8.2.2.2. | Skin protection | | | | |
| | Hand protection: | i | Gloves material: Viton Glove thickness: 0.70 mm Time until perforation: >480 min | | |
| | Other skin protection: | Wear full protective suit that protects from chemicals (EN 340) a shoes that cover the entire foot. Choose the protective clothes according to concentration and amount of hazardous substance present at workplace. | | | |
| 8.2.2.3. | Respiratory protection: | Full face mask (EN 136) or half mask (EN 140) equipped with a recommended "AX" filter (EN 371) used when concentration levels exceed GVI. | | | |
| 8.2.2.4. | Thermal hazards: | No info | ormation available | | |



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| 8.2.3. | Environmental exposure controls | |
|--------|---|---|
| | Substance/mixture related measures to prevent exposure: | See Section 6 |
| | Structural measures to prevent exposure: | Use modern equipment. |
| | Organisational measures to prevent exposure: | Adapt the work process to the required working conditions of the workplace. |
| | Technical measures to prevent exposure: | See Section 6 |

| Information on basic physical an | d chemical properties | |
|---|--------------------------|--------------------------|
| | Value | Method |
| Physical state: | liquid | No information available |
| Color: | transparent | No information available |
| Odor: | characteristic | No information available |
| Odor threshold: | No information available | No information available |
| pH: | No information available | No information available |
| Melting point / freezing point; | No information available | No information available |
| Initial boiling point and boiling range: | No information available | No information available |
| Flash point: | 22 °C | No information available |
| Evaporation rate: | No information available | No information available |
| Flammability (solid, gas): | No information available | No information available |
| Upper/lower flammability or explosive limits: | No information available | No information available |
| Vapour pressure: | No information available | No information available |
| Vapour density: | No information available | No information available |
| Relative density: | No information available | No information available |
| Bulk density: | No information available | No information available |
| Solubility(ies): | No information available | No information available |
| Partition coefficient: n-octanol/water (log Kow): | No information available | No information available |
| Auto-ignition temperature: | No information available | No information available |
| Decomposition temperature: | No information available | No information available |
| Viscosity: | No information available | No information available |
| Explosive properties: | No information available | No information available |
| Oxidising properties: | No information available | No information available |



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| 9.2. | Other information |
|------|-------------------|
| | - |

| SECTIO | SECTION 10 STABILITY AND REACTIVITY | | | | | |
|--------|-------------------------------------|---|--|--|--|--|
| 10.1. | Reactivity: | See subsections 10.3 through 10.5. | | | | |
| 10.2. | Chemical stability: | The product is chemically stable under standard ambient conditions of storing and using (room temperature). | | | | |
| 10.3. | Possibility of hazardous reactions: | No information available. | | | | |
| 10.4. | Conditions to avoid: | Heats, sparks, and open flame. | | | | |
| 10.5. | Incompatible materials: | Strong oxidizing media. | | | | |
| 10.6. | Hazardous decomposition products: | Carbon oxides, hydrogen chloride gas. | | | | |

| 11.1. Information | n on toxicological eff | ects | | | | | |
|---------------------------------|--|-----------------------|-------------|--|----------------------|-------|----------------------------|
| Acute toxic | ity: | | | | | | |
| Route of exposure: | Method | Species | LC | Dose D ₅₀ /LC ₅₀ or ATE _{mix} | Exposure | time | Results |
| Oral exposure: | No information available | rat (chlorofo | rm) | LD ₅₀ | No inform availab | | 695 mg/kg |
| Dermal exposure: | No information available | rabbit (chloroforn | n) | LD ₅₀ | No inform availab | | >3.980 mg/kg |
| Inhalation: | No information available | _ | | LC ₅₀ | No inform availab | | - |
| Specific tai | get organ toxicity – s | ecific effects | (3101 31). | | get organ | | Note |
| Oral exposure: | No information ava | | | - | , 3 | _ | |
| | No information ava | ilable | | - | | _ | |
| Dermal exposure: | No information available | | | | | | |
| Dermal exposure: Inhalation: | <u> </u> | ilable | | - | | - | |
| • | No information ava | | ormation av | | | - | |
| Inhalation: Aspiration | No information ava | | ormation av | | | - | |
| Inhalation: Aspiration | No information ava | | ormation av | | n Method | - | Note |
| Inhalation: Aspiration | No information available hazard: nd corrosion Exposu | No info | | vailable | n Method | Cause | Note es skin irritation |



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| Sensitiz | ation | | | | | | |
|--|------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------------|--------------------------------|--------------------------------|
| Dermal exposure | : May | y cause skin | irritation. | | | | |
| Inhalation exposure: | Alle | ergic persons | s may display i | rritation. | | | |
| Sympto | mc rolat | ad to the ph | veical chamic | al and toxicolog | ical characteristi | or. | |
| Sympto | | • | | | | | nd liver |
| Oral exposure: Depending on concentration and exposure period, it may lead to kidney and liver disorders. | | | | | | iu iivei | |
| Dermal exposure | : s | tinging and | | ır, defatting, skir | time, redness ac n cracking, rash, | | |
| Inhalation expos | Ire. | Depending o Iisorientatior | | n and exposure | period, it may c | ause vertigo, na | usea, |
| Eye exposure: | | Depending o edness and p | | n and exposure | period, it may le | ead to mucosa s | tinging, tearing, |
| Repeate | ed dose | toxicity (sub | acute, subchro | onic, chronic) | | | |
| | | Dose | Exposure time | Species | Method | Evaluation | Note |
| Subacute oral | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |
| Subacute dermal | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |
| Subacute inhalation | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |
| Subchronic oral | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |
| Subchronic dermal | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |
| Subchronic inhalation | | | No information available | No information available | No information available | No information available | No information available |
| Chronic oral | No ir availat | nformation ole | No information available | No information available | No information available | No information available | No information available |



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| Chronic dermal | No availa | information able | No information available | | No information available | | No information available | | No information available | |
| Chronic inhalation | | No information available No information available | | | mation able | No information available | | ormation ilable | No information available | |
| Specific | target | organ toxicit | y – repeated ex | nosur | e (STOT | RE). | | | | |
| Specific | target | 1 | ecific effects | фозиг | (3101 | Target organ | | | Note | |
| Subacute oral | <u> </u> | | | | No info | ormation availabl | <u> </u> | No inforr | mation available | |
| Subacute dermal No information available | | | | | | ormation availabl | | | mation available | |
| Subacute inhalat | | | tion available | | | ormation availabl | | | mation available | |
| Subchronic oral | | | tion available | | | | | | mation available | |
| Subchronic derm | nal | | tion available | | | | | | nformation available | |
| Subchronic inhal | | | tion available | | | ormation availabl | | | mation available | |
| Chronic oral | | | tion available | | | ormation availabl | | | mation available | |
| Chronic dermal | | No informa | tion available | | No info | ormation availabl | е | No inforr | mation available | |
| Chronic inhalatio | n | No informa | tion available | | No info | ormation availabl | е | No inforr | mation available | |
| | | | | | | | | | | |
| CMR ef | fects (c | arcinogenicit | y; mutagenicity | ; repro | ductive | toxicity) | | | | |
| Carcino | genicit | y: | | N | No information available | | | | | |
| Mutage | nicity i | n vitro: | | N | No information available | | | | | |
| Genoto | xicity: | | | N | No information available | | | | | |
| Mutage | nicity i | n vivo: | | N | No information available | | | | | |
| Germ co | ell muta | agenicity: | | N | No information available | | | | | |
| Reprod | uctive t | oxicity: | | N | o inform | ation available | | | | |
| | Summary of evaluation of the CMR properties: | | | | | No information available | | | | |
| | | | | | | | | | | |
| 11.2. Practica | • | | ication: | | No inf- | motion sustinate | | | | |
| | Remarks relevant for classification: Other remarks: | | | | No information available | | | | | |
| Other re | emarks | - | | | INO INTOR | mation available | | | | |
| 11.3. General | notes: | | | | | | | | | |
| | | | | | | | | | | |



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| Fish | toxicity | erm) | | | | | | | | | |
|--|-----------------------------------|-----------|-------------------------|-----------|--------------------------|--------------------|--------------------------|-----------|--------------------------|------------------|------|
| Fish LC ₅₀ 96 hours macrochirus (bluegill) - (bluoroform) - - (bluorofo | Fish | I JOSA . | | • | | re Species M | | Method | Evaluation | | Note |
| Algae/aquatic plants | 1 1311 | | LC ₅₀ 96 hou | | rs | macrochirus - | | - | 18 mg/l (| chloroform) | - |
| Algae/aquatic plants | Crustacea: | | EC ₅₀ | 48 hou | rs | | | _ | 79 mg/l (| chloroform) | _ |
| Chronic (long-term) Dose Exposure time Species Method Evaluation Not toxicity Fish LC ₅₀ 96 hours No information available - Crustacea: EC ₅₀ 48 hours No information available - No information available No information a | Algae/aquatic | plants | IC ₅₀ | 72 hou | rs | capricornatum | | - | 1.100 mg | ı/l (chloroform) | - |
| toxicity | Other organis | ms | - | - | | - | | - | - | | _ |
| Crustacea: EC ₅₀ 48 hours No information available - Algae/aquatic plants IC ₅₀ 72 hours No information available - Other organisms No information available - No information available - No information available - No information available - No information available No information | | -term) | Dose | • | | Species | | Method | Ev | valuation | Note |
| Algae/aquatic plants | Fish | | LC ₅₀ | 96 hou | rs | - | | - | No inforr | mation available | - |
| Other organisms No information available No information available No information available No information available | Crustacea: | | EC ₅₀ | 48 hou | rs | - | | _ | No information available | | - |
| 12.2. Persistence and degradability Abiotic degradation Degradation half-lives Method Evaluation Not Marine water No information available No information available No information available - Fresh water No information available No information available No information available - Air No information available No information available No information available - Soil No information available No information available No information available - Biodegradation Biodegradation Time (days) Method Evaluation Note No information No information available No information available available available Bioaccumulative potential | Algae/aquatic plants I | | IC ₅₀ | 72 hou | rs | - | | _ | No inforr | mation available | - |
| Abiotic degradation Degradation half-lives Method Evaluation Not Marine water No information available No information No information No information available No information No information available No information available No information No information available No information available No information available No information No information available No information a | Other organisms | | - | | - | | _ | No inforr | mation available | - | |
| No information available No information available No information available - Fresh water No information available No information available No information available - Air No information available No information available No information available - Soil No information available No information available No information available - Biodegradation Biodegradation Time (days) Method Evaluation Note No information available No information available available available No information available No information available No information available | Abiot | | | -lives | | Method | | | Evalua | tion | Note |
| Air No information available No information available No information available - Soil No information available No information available No information available - Soil No information available No information available No information available No information No information No information available No information available No information No information available No information available No information No information available No informatio | | No info | ormation av | ailable | No information available | | No information available | | | _ | |
| No information available No information No information No information Available Available No information Available Available No information Available | Fresh water | No info | ormation av | ailable | No information available | | No information available | | | - | |
| Biodegradation % Degradation Time (days) Method Evaluation Note No information No information available available available 12.3. Bioaccumulative potential | Air | No info | ormation av | ailable | No information available | | No information available | | | - | |
| % Degradation Time (days) Method Evaluation Note No information available No information available available 12.3. Bioaccumulative potential | Soil | No info | ormation av | ailable | No ir | nformation availal | ble | No infor | ormation available - | | |
| No information available No information available available | Biode | egradatio | on | | | | | | | | |
| available available available 12.3. Bioaccumulative potential | % Degradation | n | Time (da | ays) | | Method | | Evalua | tion | Note | |
| | No information No informavailable | | information | available | | | | | ion | - | |
| | | | | | | | | | | | |
| Partition coefficient: n-octanol/water (log Kow): | 12.3. Bioac | cumulat | rive potentia | al | | | | | | | |
| i artition coefficient. If octaining water (log Now). | Partit | ion coef | ficient: n-o | tanol/wat | ter (lo | og Kow): | | | | | |



available

available

Water-air

No information

available

available

No information

available

available

No information

available

available

No information

SAFETY DATA SHEET According to Regulation (EC) No. 1907/2006

| Trading nam | ٠٥٠ | | | | BIOFIX | · · · · · · · · · · · · · · · · · · · | | Fagi | 2 13 01 17 |
|---|------------|---------------------------------|--------------------------------|--------------------------------|-----------------------|---------------------------------------|--------------------------|--------|------------|
| | | DEC V++ | | | | | | | 2 |
| Product code | e: | BFC-X** | Re | Revision date: | | 2.05.2019. | Versi | on: | 3 |
| No information available | No ir | nformation - able | - | No inform available | nation | No infor available | | - | |
| Pioc | ncontr | ration factor (BC | E) | | | | | | |
| Value | Jiiceiiti | Species | 1) | Method | | Evaluat | ion | | Note |
| No informatic available | | No information available | No i avail | nformation | | No informativailable | | _ | Note |
| i | | toxicity | Exposure | | | | | | |
| Valu | ue | Dose | time | Specie | S | Method Ev | | uation | Note |
| Chronic toxici | ty on fi | sh LC ₅₀ | No information available | No information available | • | | No informa availab | | - |
| Chronic toxici crustacea (<i>Da_l</i> | - | EC ₅₀ | No information available | No information available | on ii | lo nformation vailable | No informa availab | | - |
| L2.4. Mob | ility in s | roil | | | | | | | |
| | | redicted distribu | ıtion in enviro | nmental cor | mnartm | onts. | | | |
| KIIOV | vii oi pi | redicted distribe | | illicitai coi | nparent | C11C3. | | | |
| Surfa | ice tens | sion: | | | | | | | |
| | 'alue | °C | Concen | ntration | | Method | | | Note |
| | | | No informavailable | | No infor available | formation ble | | | |
| | | | | | | | | | |
| | | <u> </u> | | | | | <u></u> | | |
| Adsc | rption | / desorption | | | | | | | |
| Γransport | | D coefficient nry's constant | log Kov | w Evap | Evaporation rate | | nte Method | | Note |
| Soil-water | No info | ormation | No informa | ation No ir | nformat | | informatio | on - | |



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| Trading | g name: | | | BI | OFIX C | | | | | |
|----------|-----------------------|--|--|---------------------|--------------|-------------|-----------------|----------|-----------|--|
| Produc | t code: | BFC-X** | Revisio | n date: | 22.05.2 | 019. | Version: | | 3 | |
| Soil-air | No ir | nformation able | No information available | No info availabl | rmation e | No inf | ormation ble | - | | |
| 12.5. | Results of | PBT and vPvB asses | ssment | | | | | | | |
| | No inform | ation available | | | | | | | | |
| | | | | | | | | | | |
| 12.6. | | Other adverse effects | | | | | | | | |
| | No inform | ation available | | | | | | | | |
| SECTIO | N 13 DISPO | OSAL CONSIDERA | ΓIONS | | | | | | | |
| 13.1. | | reatment methods | | | | | | | | |
| | | | | | | | | | | |
| 13.1.1. | Product/ | /Packaging disposa | l: | | | | | | | |
| | | Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection. | | | | | | | | |
| | | | | | | | | | | |
| 13.1.2. | Waste co | odes/waste designa | tions according to | Law: | | | | | | |
| | 15 01 10 substance |)*: packaging that c ces | ontains residual h | azardous | substance | es or is co | ontaminate | d with h | nazardous | |
| 13.1.3. | Waste tr | reatment – relevant | information: | | | | | | | |
| | No infor | mation available | | | | | | | | |
| | | | | | | | | | | |
| 13.1.4. | Sewage | disposal – relevant | information: | | | | | | | |
| | Waste m | nust not be dispose | d of into the sewa | ge syster | n. | | | | | |
| 13.1.5. | Other di | sposal recommend | ations: | | | | | | | |
| 13.1.3. | Do not o | dispose of the prod ed by the ministry it aging to the collect | uct's remains into n charge. Do not | dispose o | f the pack | aging in | | | | |
| 13.1.6. | | | | | | | | | | |
| | - | | | | | | | | | |
| | | | | | | | | | | |
| SECTIO | N 14 TRAN | ISPORT INFORMA | TION | | | | | | | |
| | Transporti | ng/shipment by roa | ad (ADR) | | | | | | | |
| UN nun | nber: | | 1170 | | | | | | | |
| | per shipping | | Ethanol solut | ion | | | | | | |
| Transpo | ort hazard cl | ass(es): | 3 | | | | | | | |



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| Trading name: | BIOFIX C | | | | | |
|---------------|----------|----------------|-------------|----------|---|--|
| Product code: | BFC-X** | Revision date: | 22.05.2019. | Version: | 3 | |
| Product code: | BFC-X** | Revision date: | 22.05.2019. | Version: | 3 | |

| Packing group: | П | | | | |
|---|------------------|--|--|--|--|
| Environmentally hazardous: | - | | | | |
| Special precautions for user: | - | | | | |
| Transporting/shipment by rail (R | ID) | | | | |
| UN number: | 1170 | | | | |
| UN proper shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | 3 | | | | |
| Packing group: | П | | | | |
| Environmentally hazardous: | - | | | | |
| Special precautions for user: | - | | | | |
| Inland waterway transport (ADN) | | | | | |
| UN number: | 1170 | | | | |
| UN proper shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | 3 | | | | |
| Packing group: | II | | | | |
| Environmentally hazardous: | - | | | | |
| Special precautions for user: | - | | | | |
| Transporting/shipment by sea (IMDG) | | | | | |
| UN number: | 1170 | | | | |
| UN proper shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | 3 | | | | |
| Packing group: | П | | | | |
| Environmentally hazardous: | - | | | | |
| Special precautions for user: | - | | | | |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: | - | | | | |
| Transporting/shipment by air (IC | AO-TI/IATA-DGR) | | | | |
| UN number: | 1170 | | | | |
| UN proper shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | 3 | | | | |
| Packing group: | II | | | | |
| Environmentally hazardous: | - | | | | |
| Special precautions for user: | - | | | | |
| | | | | | |
| Further information: - | | | | | |



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| Trading name: | BIOFIX C | | | | |
|---------------|----------|----------------|-------------|----------|---|
| Product code: | BFC-X** | Revision date: | 22.05.2019. | Version: | 3 |

| .1. | Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations | | |
|-----|---|-----------------|--|
| | | | |
| | Authorization and/or rest | rictions of use | |
| | Authorizations: | - | |
| | Restrictions: | - | |
| | EC Regulation No. 1906/2007 and EC Regulation No. 1272/2006 European Parliament and the European Council; The European Commission Regulation No. 453/2006 of 2010 of and amendments to the Regulation (EC) No. 1907/2006 of the Parliament and Council on registration, evaluation, authorization restriction of chemical substances (REACH); EC Regulation No. 2037/200 of the European Parliament and Council on substances that damage the ozone layer; EC Regulation No. 689/2008 of the European Parliament and Council Ty June 2008 concerning the export and import of dangerous EC Regulation No. 850/2004 of the European Parliament and Council November 2008 on waste and repealing certain Directives | | |
| | Information according 1999/13/EC about limitation of emissions of volatile organic compounds guideline) | | |
| | Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act | | |

| SECTIO | SECTION 16 Other information | | | |
|--------|---|-----------|--|--|
| 16.1. | Indication of changes: | - | | |
| | Abbreviations and acronyms: | PBT | Stable, bioaccumulative and toxic | |
| | | vPvB | Strongly stable and strongly bioaccumulative. | |
| 16.2 | | LD50 | Lethal dose, 50% | |
| 16.2. | | LC50 | Lethal concentration, 50% | |
| | | STOT - SE | Specific target organ toxicity - single exposure | |
| | | STOT - RE | Specific target organ toxicity - repeated exposure | |
| 16.3. | Key literature references and source of data: | - | | |



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| Trading name: | BIOFIX C | | | | |
|---------------|----------|----------------|-------------|----------|---|
| Product code: | BFC-X** | Revision date: | 22.05.2019. | Version: | 3 |

| 16.4. | Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP) | | |
|----------------------------|---|-------------------|---|
| Classific | Classification according to CLP | | Classification procedure |
| - | - | | - |
| 16.5. | Relevant H statements (numbe | | ber and full text) |
| | | 225 | Highly flammable liquid and vapor. |
| | | 302 | Harmful if swallowed. |
| | H: | 314 | Causes severe skin burns and eye damage |
| | | 315 | Causes skin irritation |
| | | 319 | Causes serious eye irritation |
| | | 332 | Harmful if swallowed. |
| | | 336 | May cause drowsiness or dizziness. |
| | | 351 | Suspected of causing cancer |
| | | 361d | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| | | 373 | May cause damage to organs through prolonged or repeated exposure. |
| 16.6. | Training advice: | | - |
| | | | "X" in the product code marks different volumes (different packagings of the product) |
| 16.7. Further information: | | ther information: | We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet. |

ANNEX:

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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