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| Trading name: | CITOFIX | | | | |
|---------------|---------|----------------|-------------|----------|---|
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| SECTI | ON 1 IDENTIFICATION | OF THE SU | JBSTA | NCE/MIX | KTURE AND OF THE COMPANY/UNDERTAKING | |
|-------|---|---|--------|------------------------|---------------------------------------|--|
| 1.1. | Product identifier | | | | | |
| | Trading name: | CITOFIX | (| | | |
| | Chemical name: | - | | | | |
| | Catalogue number: | CX-X** | CX-X** | | | |
| 1.2. | Relevant identified uses of the substance or mixture and uses advised against | | | | cture and uses advised against | |
| | Uses: | Uses: | | | | |
| | Uses advised against: | | | Only the | identified uses are advised. | |
| | Reason why uses advi | sed against: The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes | | | · · · · · · · · · · · · · · · · · · · | |
| 1.3. | Details of the supplier | of the saf | ety da | ta sheet | | |
| | Supplier: Bio | | BioG | BioGnost Ltd. | | |
| | Address: | Med | | Лedjugorska 59, Zagreb | | |
| | Telephone number: | | +385 | +385 1 2409997 | | |
| | Fax no.: + | | +385 | +385 1 2404039 | | |
| | e-mail of competent p | person: | msd: | <u>s@biogn</u> | <u>ost.hr</u> | |
| | National contact: | | - | | | |
| 1.4. | Emergency telephone | number | | | | |
| | National Protection a | nd Rescue | Direct | orate: | 112 | |
| | Medical information: | | | +385 1 2348 342 | | |
| | Other information: | | | | - | |

| SECTIO | SECTION 2 HAZARDS INFORMATION | | | | | | |
|----------|---------------------------------|---|---------------|--|--|--|--|
| 2.1. | Classification of the subst | ance or mixture | | | | | |
| 2.1.1. | Classification according to | (EC) Regulation No. 12 | 72/2008 (CLP) | | | | |
| | Hazard class and | Hazard class and category code: Hazard statements*: | | | | | |
| | Flam. Liq. 2 H225 | | | | | | |
| 2.1.2. | Additional information | | | | | | |
| | - | | | | | | |
| *For ful | l text of Hazard- and EU Ha | zard-statements: see Se | ction 16 | | | | |
| 2.2. | Label 1272/2008 (CLP) | | | | | | |
| | Product identification: CITOFIX | | | | | | |
| | Identification number: | Identification number: - | | | | | |
| | Authorization no.: | - | | | | | |



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| | Hazard pictograms: | GHS02 |
|------|---------------------------|---|
| | Signal word: | Danger |
| | Hazard statements: | H225 Highly flammable liquid and vapor. |
| | Precautionary statements: | P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P233 Čuvati u dobro zatvorenom spremniku. P280 Wear protective gloves/protective clothing/eye/protection/face protection. |
| | Further information: | - |
| 2.3. | Other hazards | |
| | - | |

| SECTION 3 CO | SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS | | | | | | | |
|--|--|--------|---------------------|--|--|--|--|--|
| 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 | - | ≤ 40% | ethanol | Flam. Liq. 2; H225 | | | | |

| SECT | ION 4 FIRST AID MEASURES | |
|------|--------------------------------|---|
| 4.1. | Description of first aid measu | ires |
| | 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. |



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| | 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: - | | |
| 4.2. | Most important symptom | s and effects, both acute and delayed | | |
| | 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 an digestive mucus damage, abdominal pain, nausea, vomiting, vertigo, and headache. | | |
| 4.3. | Indication of any immedia | te medical attention and special treatment needed | | |
| | - | | | |

| SECTIO | CTION 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: | Water jet | | | |
| 5.2. | Special hazards arising from the sub | ostance or mixture | | | |
| | Hazardous combustion products: | Incomplete combustion of the product. | | | |
| 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 | SECTION 6 ACCIDENTAL RELEASE MEASURES | | | |
|--------|--|---|--|--|
| 6.1. | Personal precautions, protective equip | Personal precautions, protective equipment and emergency procedures | | |
| 6.1.1. | For non-emergency personnel | | | |
| | Protective equipment: Use personal protective equipment (see Section 8). | | | |



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| | Accident prevention m | and avoid contact with skin and eyes. Remove all sources of | | |
|--------|--|---|--|--|
| | - 1 | sparks and ignition. Do not smoke. Mark the area using proper signs. | | |
| | Emergency procedures | ; wark the area using proper signs. | | |
| 6.1.2. | For emergency respon | ders: | | |
| | Use protective equipm (see Section 8). | nent; in case of inadequate ventilation use adequate airways protective equipment | | |
| 6.2. | Environmental precaut | ions: | | |
| | | ewage, drainage system and waterways. In case of large spillage contact National Directorate (NPRD) on 112. | | |
| 6.3. | 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 close impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministr 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). | | |
| | | tions | | |

| SECTIO | N 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 generatio | n: 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. The | proughly wash hands after work and before eating. | | | | | |
| 7.2. | Conditions for safe storage, including any incom | patibilities | | | | | |
| | Technical measures and storage conditions: | Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. | | | | | |
| | Packaging materials: | Manufacturer's original packaging. | | | | | |



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| | 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. |
| | 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 10). |
| 7.3. | Specific end use(s) | |
| | Recommendations: | - |
| | Industrial sector specific solutions: | - |

| | Indus | trial sec | ctor spe | cific solutior | ns: | _ | | | | |
|--------------------|---------|-----------|-----------------------|--------------------|--|-----------------------|-----|-------------------------|--|-------------------------|
| | | | | | | | | | | |
| SECTIO | N 8 EX | POSUR | RE CONT | TROLS/PER | SONAL | PROTECTION | | | | |
| 8.1. | Contr | ol para | meters | | | | | | | |
| Substance | | | CAS No | | Occupational exposure limit values/short term values | | Bio | ological limit values | | |
| | | | | | | ppm | m | ng/m³ | | |
| Ethanol | | | | 64-17 | '-5 | 1000/- | | 900/- | | |
| | | | | | | | | | | |
| Substar name: | nce | _ | | | | | | | | |
| EC No: | | _ | | CAS No: | _ | | | | | |
| DNEL | | | | | | | | | | |
| | | | | | | Industrial | | | | |
| Route | of expo | sure: | Acute effect local | | effe | Acute ect systemic | | Chronic effect local | | Chronic effect systemic |
| Oral | | | - | | - | | - | | | - |
| Inhalati | on | | - | | - | | - | | | - |
| Dermal | | | - | | - | | - | | | - |
| Critical | physica | l paran | neters: s | olubility, fla | mmabilit | y, corrosivity: | | - | | |
| | | | | | | Consumer | | | | |
| Route of exposure: | | sure: | | Acute ect local | effe | Acute ect systemic | | Chronic effect local | | Chronic effect systemic |
| Oral | | | ı | | - | | - | | | - |
| Inhalati | on | | - | | - | | - | | | - |
| Dermal | | | - | | - | | - | | | - |
| PNEC | | | | | | | | | | |



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| Environme | ntal protection target | | PNEC | | |
|--------------|--|---|---|--|--|
| Fresh wate | r | | No information available | | |
| Freshwater | sediments | | No information available | | |
| Marine wa | ter | | No information available | | |
| Marine sec | diments | | No information available | | |
| Food chair | 1 | | No information available | | |
| Microorga | nisms in sewage treatment | | No information available | | |
| Soil (agricu | ultural) | | No information available | | |
| Air | | | No information available | | |
| | | | | | |
| 8.2. | Exposure controls | | | | |
| 8.2.1. | Appropriate engineering controls | 5 | | | |
| | Substance/mixture related measures to prevent exposure during identified uses: | Use the product in well ventilated rooms. Use personal proequipment. 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: | | proper workspace ventilation in order to keep tration levels in air below permitted levels. | | |
| 8.2.2. | Personal protection equipment | | | | |
| 8.2.2.1. | Eye and face protection: | levels o | glasses that stick to face (EN 166) or visor in case of lower f concentration in air; protective gas mask that covers the ace in case of higher levels of concentration in air. | | |
| 8.2.2.2. | Skin protection | | | | |
| | Hand protection: | | Gloves material: Viton Glove thickness: 0.70 mm Time until perforation: >480 min | | |
| | Other skin protection: | shoes tl accordi | all protective suit that protects from chemicals (EN 340) and hat cover the entire foot. Choose the protective clothes ng to concentration and amount of hazardous substances at workplace. | | |



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| 8.2.2.3. | Respiratory protection: | Full face mask (EN 136) or half mask (EN 140) equipped with a recommended "AX" filter (EN 14387) used when concentration levels exceed GVI. |
|----------|---|---|
| 8.2.2.4. | Thermal hazards: | No information available |
| 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 and chemical properties | | | | | |
|---|-------------|--------------------------|--------------------------|--|--|
| | | Value | Method | | |
| Physical state: | | liquid | No information available | | |
| Color: | | colourless | No information available | | |
| Odor: | | biting | No information available | | |
| Odor threshold: | | No information available | No information available | | |
| pH: | | No information available | No information available | | |
| Melting point / freez | zing point; | No information available | No information available | | |
| Initial boiling point a range: | and boiling | No information available | No information available | | |
| Flash point: | | 26 °C | No information available | | |
| Evaporation rate: | | No information available | No information available | | |
| Flammability (solid, | gas): | No information available | No information available | | |
| Upper/lower flamma explosive limits: | ability or | 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: octanol/water (log K | | No information available | No information available | | |
| Auto-ignition tempe | rature: | No information available | No information available | | |



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

| SECTIO | ON 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: | Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances. |
| 10.4. | Conditions to avoid: | Heat, spark, open flame, strong heating, ignition sources. |
| 10.5. | Incompatible materials: | Strong oxidizing agents, alkali metals. |
| 10.6. | Hazardous decomposition products: | Non-degradable if used in the described manner. |

| 11.1. Information | n on toxicological effe | ects | | | |
|--------------------|--------------------------|---------------------|---|--------------------------|--------------|
| Acute toxic | ity: | | | | |
| Route of exposure: | Method | Species | Dose LD ₅₀ /LC ₅₀ or ATE _{mix} | Exposure time | Results |
| Oral exposure: | No information available | rat (ethanol) | LD ₅₀ | No information available | 6200 mg/kg |
| Dermal exposure: | No information available | rabbit (ethanol) | LD ₅₀ | No information available | >20000 mg/kg |
| Inhalation: | No information available | rat (ethanol) | LC ₅₀ | No information available | >8000 mg/kg |
| Specific tar | get organ toxicity – si | ngle exposure (STC | | et organ | Note |
| Oral exposure: | No information avail | | - | - | TVOIC |
| Dermal exposure: | No information avai | | - | - | |
| Inhalation: | No information avai | lable | - | - | |
| | | | • | | |
| Aspiration | hazard: | No informa | tion available | | |



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| Irritation | n and co | orrosion | | | | | | |
|-------------------------------|----------------|---|--------------------------------|--------------------------------|--------------------------------|-------------------------|---|-------|
| | | Ехр | oosure time | Species | Evaluation | Method | Note | |
| Skin corrosion/irr | ritation | No infor | mation availabl | e - | - | - | irritation | |
| Serious irritation | to eyes | :: No infor | mation availabl | e - | - | - | may cause irritati | ion |
| Sensitiz | ation | | | | | | | |
| Dermal exposure | | ay cause skin | irritation. | | | | | |
| Inhalation exposure: | | | s may display ir | ritation. | | | | |
| Sympto | ms rela | ted to the ph | ysical, chemica | I and toxicolog | ical characteri | stics | | |
| Oral exposure: | | • | n concentration | | | | dney and liver | |
| Dermal exposure: stinging and | | | | r, defatting, skir | | • | ied by sensation o burns, blisters and | |
| Inhalation exposu | | Depending o disorientatior | n concentratior า. | n and exposure | period, it may | ⁄ cause ver | tigo, nausea, | |
| Eye exposure: | | Depending o redness and _l | | n and exposure | period, it may | lead to m | ucosa stinging, tea | aring |
| Repeate | ed dose | toxicity (sub | acute, subchror | nic, chronic) | | | | |
| | | Dose | Exposure time | Species | Method | Evalua | tion Note | |
| Subacute oral | No i | information ible | No information available | No information available | No information available | No inform availat | | |
| Subacute dermal | No i availa | information ible | No information available | No information available | No information available | No inform availak | | |
| Subacute inhalation | No i | information ible | No information available | No information available | No information available | No inform availak | | |
| Subchronic oral | available | | No information available | No information available | No information available | No inform availak | | |
| Subchronic dermal | No i | information able | No information available | No information available | No information available | No inform availab | | |



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| Subchro inhalatio | | No availa | information able | information | No infori availa | mation able | No information available | | ormation ilable | No information available | | |
|--|----------------------------------|------------------|---------------------|-----------------------|--------------------------------|---|--------------------------------|---|-------------------------|--------------------------------|--|--|
| Chronic | oral | No availa | information able | information | No information available | | No information available | | ormation ilable | No information available | | |
| Chronic | dermal | No availa | information able | information | No information available | | No information available | | ormation ilable | No information available | | |
| Chronic inhalatio | Chronic No information available | | | information | No information available | | No information available | | ormation ilable | No information available | | |
| | Specific | target | organ toxicit | y – repeated exp | oosur | e (STOT F | RE): | | | | | |
| | 1 | <i>3</i> | | ecific effects | | | Target organ | | | Note | | |
| Subacute | • | | | tion available | | No information available | | | No inforr | nation available | | |
| Subacute | Subacute dermal No informa | | | tion available | No information available | | | e | No information availabl | | | |
| Subacute | | | | tion available No inf | | | No information available | | | No information available | | |
| Subchro | nic oral | | No informa | tion available | | No info | rmation availabl | e | No inforr | nation available | | |
| Subchro | nic derma | al | No informa | tion available | | No info | rmation availabl | е | No inforr | nation available | | |
| Subchro | nic inhala | ition | No informa | tion available | | No information available No information avail | | | | | | |
| Chronic | oral | | No informa | tion available | າ available No in | | rmation availabl | e | No inforr | nation available | | |
| Chronic | dermal | | No informa | tion available | n available N | | No information available | | | No information available | | |
| Chronic | inhalatior | 1 | No informa | tion available | | No information available No information av | | | | | | |
| | CMR eff | ects (ca | arcinogenicity | /; mutagenicity; | repro | ductive t | oxicity) | | | | | |
| | Carcino | | | <u> </u> | - - | | ition available | | | | | |
| | Mutager | nicity <i>ii</i> | n vitro: | | N | o informa | ition available | | | | | |
| | Genotox | icity: | | | N | o informa | ition available | | | | | |
| | Mutager | nicity <i>ii</i> | n vivo: | | N | o informa | ition available | | | | | |
| | Germ ce | ll muta | agenicity: | | N | o informa | ition available | | | | | |
| | Reprodu | ıctive t | oxicity: | | N | No information available | | | | | | |
| Summary of evaluation of the CMR properties: | | | | | R N | No information available | | | | | | |
| 11.2. | Practical | experi | iences: | | | | | | | | | |
| | | | nt for classifi | cation | | Na infara | nation available | | | | | |



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| | Other remarks: | No information available |
|-------|----------------|--------------------------|
| | | |
| 11.3. | General notes: | |
| | - | |

| 12.1. Toxi | city | | | | | | | |
|---------------------------------|------------|---|--|--------------|--|------------|---|------|
| Acute (short- toxicity | | Dose | Expo tin | | Species | Method | Evaluation | Note |
| Fish | | LC ₅₀ | 96 ho | urs | - | - | 8140 mg/l (ethanol) | _ |
| Crustacea: | | EC ₅₀ | 48 hours | | Daphnia magna (water flea) | _ | 9268 – 14221 mg/l (ethanol) | _ |
| Algae/aquation | c plants | IC ₅₀ | 72 ho | urs | - | - | 5000 mg/l (ethanol) | - |
| Other organis | sms | - | - | | - | - | - | - |
| Chronic (long-term) toxicity | | Dose | Expo tin | | Species | Method | Evaluation | Note |
| Fish | | LC ₅₀ | 96 ho | urs | - | - | No information available | _ |
| Crustacea: | | EC ₅₀ | 48 hours | | - | - | No information available | - |
| Algae/aquation | c plants | IC ₅₀ | 72 ho | urs | - | - | No information available | - |
| Other organis | sms | - | - | | - | - | No information available | - |
| | otic degra | nd degradak adation adation half- | | | Method | | Evaluation | Note |
| | Degr | <u>auation naii</u> | -iives | | Method | | Evaluation | NOLE |
| Marino | | . • | nation available No information available No information available | | | | | |
| Marine water | No inf | ormation av | ailable | No i | nformation availabl | e No infor | mation available | _ |
| | | ormation ava | | | nformation availabl | | mation available mation available | - |
| water | No inf | | ailable | No i | | e No infor | | - |
| water Fresh water | No info | ormation ava | ailable ailable | No i No i | nformation availabl | e No infor | mation available | |
| water Fresh water Air | No info | ormation ava | ailable ailable | No i No i | nformation availabl nformation availabl | e No infor | mation available mation available | - |
| water Fresh water Air Soil | No info | ormation ava | ailable ailable | No i No i | nformation availabl nformation availabl | e No infor | mation available mation available | - |
| water Fresh water Air Soil | No info | ormation ava | ailable ailable ailable | No i No i | nformation availabl nformation availabl | e No infor | rmation available rmation available rmation available | - |

12.3. Bioaccumulative potential



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| Trading name: | | CI | TOFIX | 19. Version: 3 | |
|---------------|--------|----------------|-------------|----------------|---|
| Product code: | CX-X** | Revision date: | 24.05.2019. | Version: | 3 |

| Valu | ue | Concenti | ration | рН | °C | M | ethod | | Evalua | ation | | Note |
|--|------------------------------|--------------------|------------------------------|--------------------------|--------------------------|--------------------------------|--------------------------|--------------------------------|--------|--------------------------------|---------|------|
| - 0.31 | - | - | - | | 25 - | | | - | | | ethar | nol |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Biocon | centration | n factor (BCF | =) | | | | | | | | |
| V | Value Species | | | Met | | ł | Εν | ⁄aluatio | on | | Note | |
| No information No info available available | | oformation able | | No inforr available | | tion No informati available | | | on | - | | |
| | | | | | | | | | | | | |
| | Chronic | ecotoxic | ity | | | | | | | | | |
| | Value | | Dose | • | Exposure time | | cies | Meth | od | Evaluation | | Note |
| Chronic | toxicity | on fish | LC ₅₀ | | 1 | | ation le | No information available | | No information available | | - |
| | toxicity ea (<i>Daph</i> | | EC ₅₀ | No informa availab | | | | No informa availab | | No information available | | - |
| 12.4. | Mobilit | y in soil | | | | | | | | | | |
| | | - | ted distribu | tion in e | nvironme | ntal ເ | compar | tments: | | | | |
| | | | | | | | | | | | | |
| | Surface | tension: | | | | | | | | | | |
| | Valu | | °C | | oncentrati | | | Metho | | | | Note |
| | No informa availab | ation ir | lo nformation vailable | | information ilable | on | No inta | formation ble | 1 | - | | |
| | | | | | | | | | | | | |
| | Adsorp | tion / des | orption | | | | | | | | | |
| Transpo | ort | A/D coe Henry's | efficient constant | lo | og Kow Evaporat | | /aporati | ion rate Metho | | Method | od Note | |
| Soil-water No information available | | | No information available | | No information available | | No information available | | on - | | | |



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| Trading | g name: | | | C : | ITOFIX | | | | | | | |
|----------|--|--------------------------|--|--------------------------|-------------|--------------------------|---------------|---------|-------------|--|--|--|
| Produc | t code: | CX-X** | Revisio | n date: | 24.05.2 | 2019. | Version: | | 3 | | | |
| Water-a | ır : | o information ailable | No information available | No info | rmation | No ir | nformation | _ | | | | |
| Soil-air | No | information ailable | No information available | No information available | | No information available | | - | | | | |
| | | | | | | | | | | | | |
| 12.5. | Results | of PBT and vPvB as | ssessment | | | | | | | | | |
| | No info | rmation available | | | | | | | | | | |
| | | | | | | | | | | | | |
| 12.6. | | dverse effects | | | | | | | | | | |
| | No info | rmation available | | | | | | | | | | |
| SECTIO | N 13 DI | SPOSAL CONSIDER | RATIONS | | | | | | | | | |
| 13.1. | | e treatment method | | | | | | | | | | |
| | | | | | | | | | | | | |
| 13.1.1. | Produ | ıct/Packaging dispo | osal: | | | | | | | | | |
| | | - | ne legal person autho t be disposed of in c | - | | - | | | | | | |
| | | | | | | | | | | | | |
| 13.1.2. | Waste codes/waste designations according to Law: | | | | | | | | | | | |
| | 15 01 subst | | at contains residual h | azardous | substance | es or is | contaminate | d with | hazardous | | | |
| 13.1.3. | Waste | e treatment – releva | ant information: | | | | | | | | | |
| | No in | formation available | , | | | | | | | | | |
| | | | | | | | | | | | | |
| 13.1.4. | Sewa | ge disposal – releva | ant information: | | | | | | | | | |
| | Waste | e must not be dispo | osed of into the sewa | ige syster | n. | | | | | | | |
| 1215 | Othou | , diamagal va camana | n dations. | | | | | | | | | |
| 13.1.5. | | disposal recomme | oduct's remains into | the sowa | ao systom | Subm | it the remain | c to th | o collector | | | |
| | autho | orized by the minist | ry in charge. Do not of lectors authorized by | dispose o | of the pack | aging i | | | | | | |
| 13.1.6. | Relev | ant Community pro | ovisions: | | | | | | | | | |
| | - | | | | | | | | | | | |
| | | | | | | | | | | | | |
| SECTIO | | ANSPORT INFORM | | | | | | | | | | |
| | ······ | orting/shipment by | | | | | | | | | | |
| UN num | nber: | | 1170 | | | | | | | | | |



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| Trading name: | CITOFIX | | | | |
|---------------|---------|----------------|-------------|----------|---|
| Product code: | CX-X** | Revision date: | 24.05.2019. | Version: | 3 |

| UN proper shipping name: | Ethanol solution | | |
|---|---|--|--|
| Transport hazard class(es): | 3 | | |
| Packing group: | Ш | | |
| Environmentally hazardous: | _ | | |
| Special precautions for user: | _ | | |
| Transporting/shipment by rail (R | | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol solution | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | III | | |
| 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: | III | | |
| Environmentally hazardous: | - | | |
| Special precautions for user: | - | | |
| Transporting/shipment by sea (IN | MDG) | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol solution | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | Ш | | |
| 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 | Transporting/shipment by air (ICAO-TI/IATA-DGR) | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol solution | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | Ш | | |
| Environmentally hazardous: | - | | |
| Special precautions for user: | - | | |
| | | | |



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| Trading name: | CITOFIX | | | | |
|---------------|---------|----------------|-------------|----------|---|
| Product code: | CX-X** | Revision date: | 24.05.2019. | Version: | 3 |

| Further information: | - |
|----------------------|---|
|----------------------|---|

| 5.1. | Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations | | |
|------|--|--|--|
| | | | |
| | Authorization and/or rest | rictions of use | |
| | Authorizations: | - | |
| | Restrictions: | - | |
| | Other EU regulations: | EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; The European Commission Regulation No. 453/2006 of 2010 on changes and amendments to the Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH); EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer; EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals; EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants; Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives | |
| | Information according 19 guideline) | 99/13/EC about limitation of emissions of volatile organic compounds (VOC- | |
| | National legislation: | 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 | |
| 5.2. | Chemical safety assessme | ent | |

| 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 | | |



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| Trading name: | CITOFIX | | | | |
|---------------|---------|----------------|-------------|----------|---|
| Product code: | CX-X** | Revision date: | 24.05.2019. | Version: | 3 |

| 16.3. | Key literature references and source of data: | - | |
|----------|---|---|--|
| 16.4. | Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP) | | |
| Classifi | cation | Classification procedure | |
| _ | | - | |
| 16.5. | 5. Relevant H statements (number and full text) | | |
| | H: 225 | Highly flammable liquid and vapor. | |
| 16.6. | Training advice: | ice: | |
| | | "X" in the product code marks different volumes (different packagings of the product) | |
| 16.7. | | 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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