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| Ī | Trading name: | | HISTANOL EP 9010 | | | |
|---|---------------|-----------|------------------|--------------|----------|---|
| | Product code: | HEP91-X** | Revision date: | 05 July 2024 | Version: | 2 |

| SECTI | ON 1: Identification of t | the substance | e/mixture | e and of the company/undertaking | | |
|-------|--|--------------------|------------------------|--|--|--|
| 1.1 | Product identifier | | | | | |
| | Trading name: | HISTANOL | EP 9010 | | | |
| | Chemical name: | - | | | | |
| | Catalogue number: | HEP91-X** | | | | |
| 1.2 | Relevant identified uses of the substance | | tance or n | nixture and uses advised against | | |
| | Uses: | | Rehydra | iting/dehydrating agent. | | |
| | Uses advised against: | | Only the | e identified uses are advised. | | |
| | Reason why uses advis | s advised against: | | The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes. | | |
| 1.3 | Details of the supplier of the safety data sheet | | | | | |
| | Supplier: | | BioGnost Ltd. | | | |
| | Address: | | Medjugorska 59, Zagreb | | | |
| | Telephone number: | | +385 1 2409997 | | | |
| | Telefax.: | | +385 1 2404039 | | | |
| | e-mail of competent p | erson: | msds@biognost.hr | | | |
| | National contact: | | - | | | |
| 1.4 | Emergency telephone number | | | | | |
| | National Protection an | d Rescue Dire | ectorate: | 112 | | |
| | Medical information: | | | +385 1 2348 342 | | |
| | Other information: | | | - | | |

| SECTIO | SECTION 2. Hazards identification | | | | |
|----------|--|--------------------|----------------|---------------------|--|
| 2.1 | Classification of the substance or mixture | | | | |
| 2.1.1 | Classification according to Regu | ulation (EC) No 12 | 272/2008 (CLP) | | |
| | Hazard class and catego | ory code: | | Hazard statements*: | |
| | Flam. Liq. 2 | | H225 | | |
| 2.1.2. | Additional information | | | | |
| | - | | | | |
| *For ful | l text of Hazard- and EU Hazard- | statements: see S | ECTION 16 | | |
| 2.2 | Label elements | | | | |
| | Product identification: | HISTANOL EP 90 | 010 | | |
| | Identification number: | - | | | |
| | Authorization number: | - | | | |



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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 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. |
| | Supplemetal hazard information (EU): | - |
| 2.3 | Other hazards | |
| | - | |

| SECTION 3. Con | SECTION 3. Composition/information on ingredients | | | | | | |
|--|---|--------------------------------|---------------------|--|--|--|--|
| CAS/ EC/ Index number | REACH Registration No | Weight % content (or range) | Identification name | Classification according to Regulation (EC) No 1272/2008 (CLP) | | | |
| 64-17-5/ 200-578-6/ 603-002-00-5 | - | ≥ 90 % | ethanol | Flam. Liq. 2; H225 | | | |
| 67-63-0/ 200-661-7/ 603-117-00-0 | - | < 9 % | propan-2-ol | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | | | |

| SECTI | ON 4. First aid measures | |
|-------|-----------------------------------|---|
| 4.1 | Description of first aid measures | |
| | General notes: | If the suggested first aid measures do not prove sufficient, seek medical attention. |
| | Following inhalation: | Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen. |
| | Following skin contact: | Remove contaminated clothing. Immediately wash with plenty of water 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 20 minutes. If the symptoms remain, immediately call in ophthalmologist. |



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| | Following ingestion: | Do not induce vomiting. Do not insert any object into the unconscious person's mouth. 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 symptoms and ef | fects, both acute and delayed |
| | Following inhalation: | Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea. |
| | Following skin contact: | Defatting, dry skin. |
| | Following eye contact: | Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain. |
| | Following ingestion: | Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting. |
| 4.3 | Indication of any immediate medi | cal attention and special treatment needed |
| | - | |

| SECTI | TION 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 with full jet | | | |
| 5.2 | Special hazards arising from the su | ubstance or mixture | | | |
| | Hazardous combustion products: | Formation of toxic gases is possible during heating or in case of fire. | | | |
| 5.3 | Advice for firefighters | | | | |
| | Use a self-contained open-circuit o | compressed air breathing apparatus and fireproof clothing. | | | |
| 5.4 | Additional information | | | | |
| | Collect contaminated fire fighting extinguishing media. | water separately. Do not contaminate the environment with | | | |

| SECTIO | ECTION 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. Do not smoke. Keep away from ignition sources. | | |
| | 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 precautions: | | | |
| | Do not dispose of in sewage, Protection and Rescue Direct | drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112. | | |
| 6.3 | Methods and material for cor | ntainment and cleaning up | | |
| 6.3.1. | Bunding, covering of drains; capping procedures: Sand protective barrier or barriers made of similar materials. | | | |
| 6.3.2. | Cleaning up: | Where possible, the substance can be absorbed by using absorbing material. 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 and involved materials with water. | | |
| 6.3.3. | Other information: | Secure proper ventilation. Do not use incompatible materials (see Section 10). | | |
| 6.4 | Reference to other sections | | | |
| | See Section 7 for information | on safe handling. | | |
| | See Section 8 for information | on personal protection equipment. | | |
| | See Section 13 for disposal in | formation. | | |

| SECTIO | ON 7. Handling and 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 ignition and heat. Do not use tools that cause sparks. Do not smoke. |
| | Measures to prevent aerosol and dust generation | n: Secure proper ventilation. |
| | Measures to protect the environment: | Prevent spilling into the sewage system and waterways. |
| | Other measures: | Protect against electrostatic charges. |
| 7.1.2. | Advice on general occupational hygiene: | |
| | Do not eat, drink or smoke in the workspace. Th | oroughly wash hands after work and before eating. |
| 7.2 | Conditions for safe storage, including any incon | 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. Protect from heat and direct sunlight. |
| | Packaging materials: | Manufacturer's original packaging. Unsuitable material for receptacle: aluminium. |



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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: | - |

| SECTION 8. Exposure controls/personal protection | | | | | | | | |
|--|-----------|------------------|------------------|------------|--|-------------------------|--|--|
| 8.1 Control p | arameters | | | | | | | |
| Substance | | CAS No | | | Occupational exposure limit values/short term values | | | Biological limit values |
| | | | | рр | m | mg/m³ | | |
| Ethanol | | 64- | -17-5 | 100 | 0/- | 1900/- | | - |
| Propan-2-ol | | 67- | -63-0 | 400/ | 500 | 900/1250 | | - |
| | | | | | | | | |
| Substance name: | - | 1 | | | | ı | | |
| EC No: | - | CAS No | : - | | | | | |
| DNEL | | | | | | | | |
| | | | | Indu | strial | | | |
| Route of | Acı | ute | Acu | te | | Chronic | | Chronic |
| exposure: | effect | local | effect sy | stemic | | effect local | | effect systemic |
| Oral | - | | - | | - | | | 26 mg/kg (propan-2-ol) |
| Inhalation | - | | - | | - | | | 500 mg/m³ (propan-2-ol) 950 mg/m³ (ethanol) |
| Dermal | - | | 1 | | - | | | 888 mg/kg (propan-2-ol) 343 mg/kg (ethanol) |
| Critical physical pa | rameters: | solubility, | flammabili | ty, corros | sivity: | - | | |
| | | | | Cons | umer | | | |
| Route of exposure: | | cute ct local | Acu effect sy | | | Chronic effect local | | Chronic effect systemic |
| Oral | - | ct local | - | Stelling | _ | enect local | | - |
| - · - · | <u> </u> | | 1 | | I | | | |



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| Inhalation | - | - | - | 89 mg/m³ (propan-2-ol) 114 mg/m³ (ethanol) |
|---------------------|----------------|------|----------------------|---|
| Darmal | | | | 319 mg/kg (propan-2-ol) |
| Dermal | - | - | - | 206 mg/kg (ethanol) |
| PNEC | | · | · | |
| Environmental pro | tection target | | PNEC | |
| Fresh water | | | 0.96 mg/l (ethanol) | |
| Freshwater sedime | ents | | 3.6 mg/kg (ethanol) | |
| Marine water | | | 0.79 mg/l (ethanol) | |
| Marine sediments | | | no information avail | lable |
| Food chain | | | no information avail | lable |
| Microorganisms in | sewage treati | ment | no information avail | lable |
| Soil (agricultural) | | | 0.63 mg/kg (ethano | l) |
| Air | | | no information avail | lable |

| 8.2 | Exposure controls | | | | |
|----------|---|--|--|--|--|
| 8.2.1. | Appropriate engineering controls | | | | |
| | Substance/mixture related measures prevent exposure during identified u | Use the product in well ventilated rooms. protective equipment. Do not eat, drink o workspace. | • | | |
| | Structural measures to prevent exposure: | In accordance with Section 7. | | | |
| | Organisational measures to prevent exposure: | Organization of work in order to reduce of influence during work process. | rganization of work in order to reduce other worker's fluence during work process. | | |
| | Technical measures to prevent expo | Secure proper workspace ventilation in or concentration levels in air below permitte stations for rinsing eyes and showering. | • | | |
| 8.2.2. | Personal protection equipment | | | | |
| 8.2.2.1. | Eye and face protection: | Safety glasses that stick to face (EN 166) 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 | | | | |



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| | Hand protection: | The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN 374. Full contact: Glove material: butyl rubber Glove thickness: ≥ 0.50 mm Time until perforation: > 480 min Splash contact: Glove material: nitrile rubber Glove thickness: 0.4 mm Break through time: 35 min |
|----------|---|--|
| | Other skin protection: | During everyday work use antistatic clothing (EN 13688) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material. |
| 8.2.2.3. | Respiratory protection: | If the concentration level exceeds the GVI values (or because of inadequate ventilation), use a filter for organic vapors, type "A" (boiling point >65°C) according to EN 14387. |
| 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 |

| SECT | SECTION 9. Physical and chemical properties | | | | |
|------|---|--------------------------|--------------------------|--|--|
| 9.1 | Information on basic physical and chemical properties | | | | |
| | | Value | Method | | |
| | Physical state: | liquid | No information available | | |
| | Colour: | colourless | No information available | | |
| | Odour: | alchohol like | 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 | | |



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| Other information | TWO IIIIOITIIALIOIT AVAIIADIE | 140 IIIIOIIIIatioii available |
|---|---|-------------------------------|
| Oxidising properties: | mixtures are possible. No information available | No information available |
| Explosive properties: | Product is not explosive. However, formation of explosive air/vapour | No information available |
| Viscosity: | No information available | No information available |
| Decomposition temperature: | No information available | No information available |
| Auto-ignition temperature: | No information available | No information available |
| Partition coefficient: n-octanol/water (log Kow): | No information available | No information available |
| Solubility(ies): | No information available | No information available |
| Bulk density: | No information available | No information available |
| Relative density: | No information available | No information available |
| Vapour density: | No information available | No information available |
| Vapour pressure: | No information available | No information available |
| Upper/lower flammability or explosive limits: | No information available | No information available |
| Flammability (solid, gas): | No information available | No information available |
| Evaporation rate: | No information available | No information available |
| Flash point: | 17°C | No information available |
| Initial boiling point and boiling range: | No information available | No information available |

| 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 dangerous reactions known. | | | |
| 10.4 | Conditions to avoid: | Avoid heat, sparks, open flames and other ignition sources. | | | |
| 10.5 | Incompatible materials: | No further relevant information available. | | | |
| 10.6 | Hazardous decomposition products: | Carbon monoxide. | | | |

| SECTIO | SECTION 11. Toxicological information | | | |
|--------|---------------------------------------|--|--|--|
| 11.1 | Information on toxicological effects | | | |
| | Acute toxicity: | | | |



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|----------------------------------|--------------|-------------------|---------------------------------|---|------------------|---|--|
| Route of exposure: | Method | Species | Dose LD ₅₀ or ATE | | Exposure time | | Results |
| Oral: | - | rat | LD ₅₀ | | - | >2,000 mg/kg (2-propanol) 7,060 mg/kg (ethanol) | |
| Dermal: | - | rabbit | LD ₅₀ | | - | | -2,000 mg/kg (2-propanol) |
| Inhalation: | - | rat | LC ₅₀ | | 4 h | | ng/l (2-propanol) 00 mg/l (ethanol) |
| Specific t | arget organ | toxicity – single | exposure (S | TOT SE | ·): | | |
| | | Specific effects | | | Target orga | n | Note |
| Oral: | No inforn | nation available | | No in | formation avail | able | - |
| Dermal: | No inforn | nation available | | No in | formation avail | ailable - | |
| Inhalation: | No inforn | nation available | | No information available may cau or dizzi | | | |
| Aspiratio | n hazard: | | No infor | mation | available. | | |
| Irritation | and corrosio | n | | | | | |
| | Ex | posure time | Spec | ies | Evaluation | Method | Note |
| Skin corrosion/irritation | n: - | | - | | - | - | - |
| Serious eye damage/irritation | - | | - | | - | - | causes serious eye irritation |
| Sensitiza | tion | | | | | | |
| Skin sensitization: | | No information a | available. | | | | |
| Pospiratory consit | availabla | | | | | | |

| Symptoms re | elated to the physical, chemical and toxicological characteristics |
|----------------------|--|
| Oral exposure: | No information available. |
| Dermal exposure: | No information available. |
| Inhalation exposure: | No information available. |
| Eye exposure: | No information available. |



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| | Dose | Exposure time | Species | Method | Evaluation | Note |
|-----------------------|--------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------|
| Subacute oral | No information available | No information available | No information available | No information available | No information available | - |
| Subacute dermal | No information available | No information available | No information available | No information available | No information available | - |
| Subacute inhalation | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic oral | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic dermal | 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 information available | No information available | No information available | No information available | No information available | - |
| Chronic dermal | No information available | No information available | No information available | No information available | No information available | - |
| Chronic inhalation | No information available | No information available | No information available | No information available | No information available | - |

Specific target organ toxicity – repeated exposure (STOT RE):

| | Specific effects | Target organ | Note |
|-----------------------|--------------------------|--------------------------|------|
| Subacute oral | No information available | No information available | - |
| Subacute dermal | No information available | No information available | - |
| Subacute inhalation | No information available | No information available | - |
| Subchronic oral | No information available | No information available | - |
| Subchronic dermal | No information available | No information available | - |
| Subchronic inhalation | No information available | No information available | - |
| Chronic oral | No information available | No information available | - |
| Chronic dermal | No information available | No information available | - |
| Chronic inhalation | No information available | No information available | - |



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| | CMR effects (carcinogenicity; mutagenicity Carcinogenicity: | Based on available data, the classification criteria are not met. | | | |
|------|---|--|--|--|--|
| | Mutagenicity in vitro: | Based on available data, the classification criteria are not met. | | | |
| | Genotoxicity: | Based on available data, the classification criteria are not met. | | | |
| | Mutagenicity <i>in vivo</i> : | Based on available data, the classification criteria are not met. | | | |
| | Germ cell mutagenicity: | Based on available data, the classification criteria are not met. | | | |
| | Reproductive toxicity: | Based on available data, the classification criteria are not met. | | | |
| | Summary of evaluation of the CN properties: | MR Based on available data, the classification criteria are not met. | | | |
| | | | | | |
| 11.2 | Practical experiences: | | | | |
| 11.2 | Practical experiences: Classification observations: | No information available | | | |
| 11.2 | • | No information available No information available | | | |

| SECTION 12. Ecologic | SECTION 12. Ecological information | | | | | | |
|------------------------------|------------------------------------|------------------|--------------------------|--------------------------------|--------------------------------|------|--|
| 12.1 Toxicity | | | | | | | |
| Acute (short-term) toxicity | Dose | Exposure time | Species | Method | Evaluation | Note | |
| Fish | LC ₅₀ | 96 hours | fish | No information available | 100-1,000 mg/l (2-propanol) | - | |
| Crustacea: | EC ₅₀ | 48 hours | Daphnia magna | No information available | >1,000 mg/l (2-propanol) | - | |
| Algae/aquatic plants | IC ₅₀ | 4 days | algae | No information available | >1,000 mg/l (2-propanol) | - | |
| Other organisms | - | - | - | - | - | - | |
| Chronic (long-term) toxicity | Dose | Exposure time | Species | Method | Evaluation | Note | |
| Fish | LC ₅₀ | 96 hours | No information available | No information available | No information available | - | |



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| Crustacea: | | EC ₅₀ | 48 hours | | No information available | No informatio available | n No ii avail | nformat able | ion | _ | | |
| Algae/aquatic plants | | s IC ₅₀ | 72 hours | | No information available | No informatio available | information No II | | ion | _ | | |
| Other o | organism | S | - | - | | - | - | - | | | _ | |
| | | | | | | | | | | | | |
| 12.2 | | | and degradak | oility | | | | | | | | |
| | Abiotic | | gradation | 16.11 | | | | | | | | |
| Marine | water | | Degradation had information a | | | Method information | Evalu No inform | | <u> </u> | N | lote | |
| Fresh w | | | information a | | Nc | ailable o information | available No informavailable | ation | - | | | |
| Air | | No | information a | ition available | | No information No | | No information available | | - | | |
| Soil | | No | information a | available | | o information ailable | n No informat | | - | | | |
| | | ı | | | | | : | | • | | | |
| | Biodeg | rada | ation | | | | | | | | | |
| % De | egradatio | n | Time (d | days) | | Method | Evalu | ation | | N | lote | |
| No info | ormation le | | No in available | formation | | o information ailable | No informavailable | ation | No ir availa | nforma able | tion | |
| | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | |
| 12.3 | Bioaccu | ımu | lative potentia | l | | | | | | | | |
| | Octano | l-wa | ater partition c | oefficient (| log I | Kow) | | | | | | |
| Value Concenti | | centration | рН | °C | Method | E [,] | valuation | | | Note | | |
| - | - | | | - | - | - | - | | - | | | |
| | | | | | | | | | | | | |
| | | | <u> </u> | | | | | | | | | |
| | Biocon | cent | ration factor (I | 3CF) | | | | | | | | |
| V | /alue | - | Specie | | | Method | Evaluation | | | ١ | Note | |
| No info | ormation le | | • | ormation | | information ailable | | No information available | | | | |
| | | | | | | | | | | | | |



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|-------------------------------------|------------------------------------|--------------------------------|--------------------------|--------------------------|--|--------------------------|--------------|--------------------------------|-------------------|------------|---|
| Trading na | ame: | | | HIS | TANO | L EP 90 | 010 | | | | |
| Product co | t code: HEP91-X** | | | on da | ate: | 05 July 2024 | | | | Version: 2 | |
| | | 2 | | | | - | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Ch | ronic eco | toxicity | | | | | | | | | |
| V | /alue | Dose | Exposure time | Spe | ecies | Meth | nod | Εv | aluation | Note | • |
| Chronic tox | cicity on fis | sh LC ₅₀ | information i | | lo No Iformation inform vailable availab | | | No information available | | - | |
| Chronic tox crustacea (<i>l</i> | - | EC ₅₀ | information i | No inform availal | nation | No informa availab | | | rmation ilable | - | |
| | | | | | | | | | | | |
| 12.4 M | obility in s | oil | | | | | | | | | |
| Kn | own or pr | edicted distributi | on in environme | ntal co | ompartn | nents: | | | | | |
| No | o informat | ion available | | | | | | | | | |
| Su | ırface tens | ion: | | | | | | | | | |
| | Value | °C | Concentration | | | Method | | | Note | | |
| | o formation ailable | No information available | No information | on | No information available | | | - | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Ac | dsorption , | / desorption | : | | | | - | | | : | |
| Transport | - | O coefficient ry's constant | log Kow | Eva | aporatio | n rate | N | Иeth | od | Note | |
| Soil-water | No information | | No information available | No information available | | ation | No informat | | nation | - | |
| Water-air | Vater-air No information available | | No information available | | | ation | No in availa | _ | nation | - | |
| Soil-air No information available | | No information available | | | | No information available | | nation | - | | |
| | | ! | | 1 | | | | | | | |
| 12.5 Re | sults of Pl | BT and vPvB asses | ssment | | | | | | | | |
| | ot applical | | | | | | | | | | |
| | 17 | | | | | | | | | | |
| | Other advance offsets | | | | | | | | | | |
| 12.6 Ot | Other adverse effects | | | | | | | | | | |



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| SECTIO | N 13. Disposal consideration | ons | | | | | |
|-------------------------------|---|--|--|--|--|--|--|
| 13.1 | Waste treatment method | s | | | | | |
| | | | | | | | |
| 13.1.1. | Product/Packaging dispo | Product/Packaging disposal: | | | | | |
| | Submit for disposal to the Protection. | Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection. | | | | | |
| | | | | | | | |
| 13.1.2. | Waste codes/waste designations according to Law: | | | | | | |
| | Packaging that contains r | esidual hazardous substances or is contaminated with hazardous substances | | | | | |
| 13.1.3. | Waste treatment – releva | nt information: | | | | | |
| | No information available | | | | | | |
| | | | | | | | |
| 13.1.4. | Sewage disposal – releva | nt information: | | | | | |
| | Waste must not be dispo | sed of into the sewage system. | | | | | |
| | | | | | | | |
| 13.1.5. | Other disposal recommer | ndations: | | | | | |
| | Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. | | | | | | |
| 13.1.6. | Relevant Community prov | visions: | | | | | |
| | Disposal must be made a | ccording to official regulations. | | | | | |
| | | | | | | | |
| SECTIO | N 14 TRANSPORT INFORM | ATION | | | | | |
| | Transporting/shipment by r | oad (ADR) | | | | | |
| UN num | nber: | 1170 | | | | | |
| UN prop | per shipping name: | Ethanol solution | | | | | |
| Transpo | ort hazard class(es): | 3 | | | | | |
| Packing | group: | II | | | | | |
| Environmentally hazardous: | | - | | | | | |
| Special precautions for user: | | - | | | | | |
| | Transporting/shipment by r | rail (RID) | | | | | |
| UN number: | | 1170 | | | | | |
| UN prop | per shipping name: | Ethanol solution | | | | | |
| Transpo | ort hazard class(es): | 3 | | | | | |
| Packing | group: | II | | | | | |
| Environ | mentally hazardous: | - | | | | | |



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| 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 (IN | MDG) |
| UN number: | 1170 |
| UN proper shipping name: | Ethanol solution |
| Transport hazard class(es): | 3 |
| Packing group: | 11 |
| 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 (ICA | AO-TI/IATA-DGR) |
| UN number: | 1170 |
| UN proper shipping name: | Ethanol solution |
| Transport hazard class(es): | 3 |
| Packing group: | 11 |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| | |
| Further information: - | |

| SECTION | SECTION 15. Regulatory information | | | | |
|---------|--|---|--|--|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | | | | |
| | EU regulations | | | | |
| | ctions of use | | | | |
| | Authorizations: | - | | | |
| | Restrictions: - | | | | |



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| | | EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; |
|------|---------------------------------------|---|
| | Other EU regulations: | 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 1999 guideline) | /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 |
| 15.2 | Chemical safety assessment | |
| | None | |

| SECTIO | ON 16. Other information | | | |
|----------|---|--|--|--|
| 16.1 | Indication of changes: | - | | |
| | | PBT Stable, bioaccumulative and toxic | | |
| | | vPvB Strongly stable and strongly bioaccumulative. | | |
| 16.2 | Abbreviations and acronyms: | LD ₅₀ Lethal dose, 50% | | |
| | | LC ₅₀ Lethal concentration, 50% | | |
| | | TCOJ Specific target organ toxicity - single exposure | | |
| 16.3. | Key literature references and source of data: | Manufacturer's MSDS file. | | |
| 16.4. | Classification and procedure 1272/2008 (CLP) | used to derive the classification for mixture according to Regulation (EC) | | |
| Classifi | cation | Classification procedure | | |
| - | | - | | |
| 16.5. | Relevant H statements (numb | er and full text) | | |
| | H: H225 | Highly flammable liquid and vapor. | | |
| 16.6. | Training advice: | - | | |



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| | | ** "X" in the product code marks different volumes (different packagings of the product) |
|-------|----------------------|--|
| 16.7. | Further 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. |

| ANNE | EX: Exposure scenario resulting to chemical safety assessment |
|------|---|
| _ | |