

|               |                              |                      |              |            |
|---------------|------------------------------|----------------------|--------------|------------|
| Trading name: | <b>BUFFER TABLETS pH 7.2</b> |                      |              |            |
| Product code: | PT-72-X**                    | Date of compilation: | 06 June 2019 | Version: 2 |

| SECTION 1: Identification of the substance/mixture and of the company/undertaking |                                                                               |                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1                                                                               | Product identifier                                                            |                                                                                                                                                                                                                |
|                                                                                   | Trading name:                                                                 | BUFFER TABLETS pH 7.2                                                                                                                                                                                          |
|                                                                                   | Chemical name:                                                                | -                                                                                                                                                                                                              |
|                                                                                   | Catalogue number:                                                             | PT-72-X**                                                                                                                                                                                                      |
| 1.2                                                                               | Relevant identified uses of the substance or mixture and uses advised against |                                                                                                                                                                                                                |
|                                                                                   | Uses:                                                                         | Phosphate buffer tablets for use in hematology and histology.                                                                                                                                                  |
|                                                                                   | Uses advised against:                                                         | Only the identified uses are advised.                                                                                                                                                                          |
|                                                                                   | Reason why uses 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 person:                                                   | <a href="mailto:msds@biognost.hr">msds@biognost.hr</a>                                                                                                                                                         |
|                                                                                   | National contact:                                                             | -                                                                                                                                                                                                              |
| 1.4                                                                               | Emergency telephone number                                                    |                                                                                                                                                                                                                |
|                                                                                   | National Protection and Rescue Directorate:                                   | 112                                                                                                                                                                                                            |
|                                                                                   | Medical information:                                                          | +385 1 2348 342                                                                                                                                                                                                |
|                                                                                   | Other information:                                                            | -                                                                                                                                                                                                              |

| SECTION 2. Hazards identification                                  |                                                                |                       |
|--------------------------------------------------------------------|----------------------------------------------------------------|-----------------------|
| 2.1                                                                | Classification of the substance or mixture                     |                       |
| 2.1.1                                                              | Classification according to Regulation (EC) No 1272/2008 (CLP) |                       |
|                                                                    | Hazard class and category code:                                | Hazard statements*:   |
|                                                                    | Not identified as hazardous substance.                         | -                     |
| 2.1.2.                                                             | Additional information                                         |                       |
|                                                                    | -                                                              |                       |
| *For full text of Hazard- and EU Hazard-statements: see SECTION 16 |                                                                |                       |
| 2.2                                                                | Label elements                                                 |                       |
|                                                                    | Product identification:                                        | BUFFER TABLETS pH 7.2 |
|                                                                    | Identification number:                                         | -                     |
|                                                                    | Authorization number:                                          | -                     |
|                                                                    | Hazard pictograms:                                             | -                     |
|                                                                    | Signal word:                                                   | -                     |

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|     | Hazard statements:                    | - |
|     | Precautionary statements:             | - |
|     | Supplemental hazard information (EU): | - |
| 2.3 | Other hazards                         |   |
|     | -                                     |   |

| SECTION 3. Composition/information on ingredients |                          |                                |                                   |                                                                      |
|---------------------------------------------------|--------------------------|--------------------------------|-----------------------------------|----------------------------------------------------------------------|
| CAS/<br>EC/<br>Index number                       | REACH Registration<br>No | Weight % content<br>(or range) | Identification name               | Classification according to<br>Regulation (EC) No<br>1272/2008 (CLP) |
| -                                                 | -                        | -                              | Contains no hazardous substances. | -                                                                    |

| SECTION 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.                                                         |
|                               | Following ingestion:                                                       | Rinse the oral cavity, drink 1-2 glasses of water. 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 effects, both acute and delayed                |                                                                                                                                                                                                             |
|                               | Following inhalation:                                                      | No information available.                                                                                                                                                                                   |
|                               | Following skin contact:                                                    | No information available.                                                                                                                                                                                   |
|                               | Following eye contact:                                                     | No information available.                                                                                                                                                                                   |
|                               | Following ingestion:                                                       | No information available.                                                                                                                                                                                   |
| 4.3                           | Indication of any immediate medical attention and special treatment needed |                                                                                                                                                                                                             |
|                               | -                                                                          |                                                                                                                                                                                                             |

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| <b>SECTION 5. Firefighting measures</b> |                                                                                              |                                                                                                             |
|-----------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 5.1                                     | Extinguishing media                                                                          |                                                                                                             |
|                                         | Suitable extinguishing media:                                                                | Small fire - water spray, dry powder, CO <sub>2</sub><br>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:                                                               | No information available.                                                                                   |
| 5.3                                     | Advice for firefighters                                                                      |                                                                                                             |
|                                         | Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. |                                                                                                             |
| 5.4                                     | Additional information                                                                       |                                                                                                             |
|                                         | Do not contaminate the environment with extinguishing media.                                 |                                                                                                             |

| <b>SECTION 6. Accidental release measures</b> |                                                                                                                                                         |                                                                                                                                                                            |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|                                               | Emergency procedures:                                                                                                                                   | Mark the area using proper signs.                                                                                                                                          |
| 6.1.2.                                        | For emergency responders:                                                                                                                               |                                                                                                                                                                            |
|                                               | 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, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112. |                                                                                                                                                                            |
| 6.3                                           | Methods and material for containment and cleaning up                                                                                                    |                                                                                                                                                                            |
| 6.3.1.                                        | Bunding, covering of drains; capping procedures:                                                                                                        | Sand or clay barriers.                                                                                                                                                     |
| 6.3.2.                                        | Cleaning up:                                                                                                                                            | Sawdust, sand, mineral adsorbents.                                                                                                                                         |
| 6.3.3.                                        | Other information:                                                                                                                                      | Do not use incompatible materials (see Section 10).                                                                                                                        |
| 6.4                                           | Reference to other sections                                                                                                                             |                                                                                                                                                                            |
|                                               | -                                                                                                                                                       |                                                                                                                                                                            |

| <b>SECTION 7. Handling and storage</b> |                               |                                       |
|----------------------------------------|-------------------------------|---------------------------------------|
| 7.1                                    | Precautions for safe handling |                                       |
| 7.1.1.                                 | Protection measures           |                                       |
|                                        | Measures to prevent fire:     | Use in well ventilated storage rooms. |

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|        | Measures to prevent aerosol and dust generation:                                                 | 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. Thoroughly wash hands after work and before eating. |                                                                                                                                                                              |
| 7.2    | Conditions for safe storage, including any incompatibilities                                     |                                                                                                                                                                              |
|        | 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.                                                                                                                                           |
|        | 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 parameters |                                                      |                      |                         |
| Substance                                        | CAS No             | Occupational exposure limit values/short term values |                      | Biological limit values |
|                                                  |                    | ppm                                                  | mg/m <sup>3</sup>    |                         |
| -                                                | -                  | -                                                    | -                    | -                       |
| Substance name: -                                |                    |                                                      |                      |                         |
| EC No:                                           | -                  | CAS No:                                              | -                    |                         |
| DNEL                                             |                    |                                                      |                      |                         |
| Industrial                                       |                    |                                                      |                      |                         |
| Route of exposure:                               | Acute effect local | Acute effect systemic                                | Chronic effect local | Chronic effect systemic |
| Oral                                             | -                  | -                                                    | -                    | -                       |

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| Inhalation | - | - | - | - |
| Dermal     | - | - | - | - |

Critical physical parameters: solubility, flammability, corrosivity:

-

#### Consumer

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|-----------------------|----------------------|-------------------------|
| Oral               | -                  | -                     | -                    | -                       |
| Inhalation         | -                  | -                     | -                    | -                       |
| Dermal             | -                  | -                     | -                    | -                       |

#### PNEC

| Environmental protection target    | PNEC                     |
|------------------------------------|--------------------------|
| Fresh water                        | No information available |
| Freshwater sediments               | No information available |
| Marine water                       | No information available |
| Marine sediments                   | No information available |
| Food chain                         | No information available |
| Microorganisms in sewage treatment | No information available |
| Soil (agricultural)                | No information available |
| Air                                | No information available |

#### 8.2 Exposure controls

##### 8.2.1. Appropriate engineering controls

|                                                                                |                                                                                                                                                          |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substance/mixture related measures to prevent exposure during identified uses: | Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.                                |
| Structural measures to prevent exposure:                                       | In accordance with Section 7.                                                                                                                            |
| 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. Secure 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:                                        | Protective nitrile gloves, 0.11 mm thick (EN 374).                                                                                |
|          | Other skin protection:                                  | Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 340) and shoes that cover the entire foot. |
| 8.2.2.3. | Respiratory protection:                                 | Ensure adequate ventilation to the premises where the product is stored and/or handled.                                           |
| 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                                                                                                                     |

| SECTION 9. Physical and chemical properties |                                                       |                          |                          |
|---------------------------------------------|-------------------------------------------------------|--------------------------|--------------------------|
| 9.1                                         | Information on basic physical and chemical properties |                          |                          |
|                                             |                                                       | Value                    | Method                   |
|                                             | Physical state:                                       | powder                   | No information available |
|                                             | Colour:                                               | colourless               | No information available |
|                                             | Odour:                                                | No information available | No information available |
|                                             | Odor threshold:                                       | No information available | No information available |
|                                             | pH:                                                   | 7.2                      | 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:                                          | No information available | 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 |

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

| SECTION 10. Stability and reactivity |                                     |                          |
|--------------------------------------|-------------------------------------|--------------------------|
| 10.1                                 | Reactivity:                         | No information available |
| 10.2                                 | Chemical stability:                 | No information available |
| 10.3                                 | Possibility of hazardous reactions: | No information available |
| 10.4                                 | Conditions to avoid:                | No information available |
| 10.5                                 | Incompatible materials:             | No information available |
| 10.6                                 | Hazardous decomposition products:   | No information available |

| SECTION 11. Toxicological information |                                                             |                          |                                                               |                          |         |
|---------------------------------------|-------------------------------------------------------------|--------------------------|---------------------------------------------------------------|--------------------------|---------|
| 11.1                                  | Information on toxicological effects                        |                          |                                                               |                          |         |
|                                       | Acute toxicity:                                             |                          |                                                               |                          |         |
| Route of exposure:                    | Method                                                      | Species                  | Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub> | Exposure time            | Results |
| Oral:                                 | -                                                           | No information available | No information available                                      | No information available | -       |
| Dermal:                               | -                                                           | No information available | No information available                                      | No information available | -       |
| Inhalation:                           | -                                                           | No information available | No information available                                      | No information available | -       |
|                                       |                                                             |                          |                                                               |                          |         |
|                                       | Specific target organ toxicity – single exposure (STOT SE): |                          |                                                               |                          |         |
|                                       | Specific effects                                            |                          | Target organ                                                  | Note                     |         |
| Oral:                                 | No information available                                    |                          | No information available                                      | -                        |         |
| Dermal:                               | No information available                                    |                          | No information available                                      | -                        |         |
| Inhalation:                           | No information available                                    |                          | No information available                                      | -                        |         |
|                                       |                                                             |                          |                                                               |                          |         |
|                                       | Aspiration hazard:                                          |                          | No information available.                                     |                          |         |
|                                       |                                                             |                          |                                                               |                          |         |

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| Irritation and corrosion                                                     |                          |                          |                          |                          |                          |      |
|------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Exposure time                                                                |                          | Species                  | Evaluation               | Method                   | Note                     |      |
| Skin corrosion/irritation:                                                   | -                        | -                        | -                        | -                        | -                        |      |
| Serious eye damage/irritation                                                | -                        | -                        | -                        | -                        | -                        |      |
|                                                                              |                          |                          |                          |                          |                          |      |
| Sensitization                                                                |                          |                          |                          |                          |                          |      |
| Skin sensitization:                                                          |                          | -                        |                          |                          |                          |      |
| Respiratory sensitization:                                                   |                          | -                        |                          |                          |                          |      |
|                                                                              |                          |                          |                          |                          |                          |      |
| Symptoms related 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 |                          |                          |                          |      |
|                                                                              |                          |                          |                          |                          |                          |      |
| Repeated dose toxicity (subacute, subchronic, chronic)                       |                          |                          |                          |                          |                          |      |
|                                                                              | 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 | -    |

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| 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 | - |

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|--|---------------------------------------------------------------|
|  | 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; reproductive toxicity) |
|--|--------------------------------------------------------------------|

|  |                                |                          |
|--|--------------------------------|--------------------------|
|  | Carcinogenicity:               | No information available |
|  | Mutagenicity <i>in vitro</i> : | No information available |
|  | Genotoxicity:                  | No information available |
|  | Mutagenicity <i>in vivo</i> :  | No information available |
|  | Germ cell mutagenicity:        | No information available |
|  | Reproductive toxicity:         | No information available |

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|  |                                              |                          |
|--|----------------------------------------------|--------------------------|
|  | Summary of evaluation of the CMR properties: | No information available |
|--|----------------------------------------------|--------------------------|

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| 11.2 | Practical experiences: |
|------|------------------------|

|  |                              |                          |
|--|------------------------------|--------------------------|
|  | Classification observations: | No information available |
|  | Other observations:          | No information available |
|  |                              |                          |

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|------|----------------|
| 11.3 | General notes: |
|------|----------------|

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| SECTION 12. Ecological information |                               |               |                          |                          |                          |      |
|------------------------------------|-------------------------------|---------------|--------------------------|--------------------------|--------------------------|------|
| 12.1                               | Toxicity                      |               |                          |                          |                          |      |
| Acute (short-term) toxicity        | Dose                          | Exposure time | Species                  | Method                   | Evaluation               | Note |
| Fish                               | LC <sub>50</sub>              | 96 hours      | No information available | No information available | No information available | -    |
| Crustacea:                         | EC <sub>50</sub>              | 48 hours      | No information available | No information available | No information available | -    |
| Algae/aquatic plants               | IC <sub>50</sub>              | 4 days        | No information available | No information available | No information available | -    |
| Other organisms                    | -                             | -             | -                        | -                        | -                        | -    |
| Chronic (long-term) toxicity       | Dose                          | Exposure time | Species                  | Method                   | Evaluation               | Note |
| Fish                               | LC <sub>50</sub>              | 96 hours      | No information available | No information available | No information available | -    |
| Crustacea:                         | EC <sub>50</sub>              | 48 hours      | No information available | No information available | No information available | -    |
| Algae/aquatic plants               | IC <sub>50</sub>              | 72 hours      | No information available | No information available | No information available | -    |
| Other organisms                    | -                             | -             | -                        | -                        | -                        | -    |
|                                    |                               |               |                          |                          |                          |      |
| 12.2                               | Persistence and degradability |               |                          |                          |                          |      |
|                                    | Abiotic degradation           |               |                          |                          |                          |      |
|                                    | Degradation half-lives        |               | Method                   | Evaluation               |                          | Note |
| 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                |               |                          |                          |                          |      |
| % Degradation                      |                               | Time (days)   | Method                   | Evaluation               |                          | Note |

|               |                              |                      |              |            |  |
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|                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| No information available | No information available | No information available | No information available | No information available |
|                          |                          |                          |                          |                          |
|                          |                          |                          |                          |                          |

### 12.3 Bioaccumulative potential

|                                                            |               |    |    |        |            |      |
|------------------------------------------------------------|---------------|----|----|--------|------------|------|
| Octanol-water partition coefficient (log K <sub>ow</sub> ) |               |    |    |        |            |      |
| Value                                                      | Concentration | pH | °C | Method | Evaluation | Note |
| -                                                          | -             | -  | -  | -      | -          | -    |
|                                                            |               |    |    |        |            |      |

### Bioconcentration factor (BCF)

|                          |                          |                          |                          |      |
|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Value                    | Species                  | Method                   | Evaluation               | Note |
| No information available | No information available | No information available | No information available | -    |
|                          |                          |                          |                          |      |
|                          |                          |                          |                          |      |

### Chronic ecotoxicity

|                                                  |                  |                          |                          |                          |                          |      |
|--------------------------------------------------|------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Value                                            | Dose             | Exposure time            | Species                  | Method                   | Evaluation               | Note |
| Chronic toxicity on fish                         | LC <sub>50</sub> | No information available | No information available | No information available | No information available | -    |
| Chronic toxicity on crustacea ( <i>Daphnia</i> ) | EC <sub>50</sub> | No information available | No information available | No information available | No information available | -    |

### 12.4 Mobility in soil

|  |                                                                |                          |                          |                          |      |
|--|----------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------|
|  | Known or predicted distribution in environmental compartments: |                          |                          |                          |      |
|  | No information available                                       |                          |                          |                          |      |
|  | Surface tension:                                               |                          |                          |                          |      |
|  | Value                                                          | °C                       | Concentration            | Method                   | Note |
|  | No information available                                       | No information available | No information available | No information available | -    |
|  |                                                                |                          |                          |                          |      |
|  |                                                                |                          |                          |                          |      |

|               |                              |                      |              |          |   |
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|                         |                                     |                          |                          |                          |      |
|-------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|------|
| Adsorption / desorption |                                     |                          |                          |                          |      |
| Transport               | A/D coefficient<br>Henry's constant | log Kow                  | Evaporation rate         | Method                   | Note |
| Soil-water              | No information available            | No information available | No information available | No information available | -    |
| Water-air               | No information available            | No information available | No information available | No information available | -    |
| Soil-air                | No information available            | No information available | No information available | No information available | -    |

|      |                                    |
|------|------------------------------------|
| 12.5 | Results of PBT and vPvB assessment |
|      | No information available           |

|      |                          |
|------|--------------------------|
| 12.6 | Other adverse effects    |
|      | No information available |

### SECTION 13. Disposal considerations

|      |                         |
|------|-------------------------|
| 13.1 | Waste treatment methods |
|------|-------------------------|

|         |                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------|
| 13.1.1. | Product/Packaging disposal:                                                                                |
|         | 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 residual hazardous substances or is contaminated with hazardous substances |

|         |                                         |
|---------|-----------------------------------------|
| 13.1.3. | Waste treatment – relevant information: |
|         | No information available                |

|         |                                                       |
|---------|-------------------------------------------------------|
| 13.1.4. | Sewage disposal – relevant information:               |
|         | Waste must not be disposed of into the sewage system. |

|         |                                                                                                                                                                                                                                                                                 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1.5. | Other disposal recommendations:                                                                                                                                                                                                                                                 |
|         | 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 provisions: |
|---------|--------------------------------|

|               |                              |                      |              |            |
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|                                                                           |                                      |
|---------------------------------------------------------------------------|--------------------------------------|
| -                                                                         |                                      |
|                                                                           |                                      |
| <b>SECTION 14 TRANSPORT INFORMATION</b>                                   |                                      |
| Transporting/shipment by road (ADR)                                       |                                      |
| UN number:                                                                | Not subject to transport regulations |
| UN proper shipping name:                                                  | -                                    |
| Transport hazard class(es):                                               | -                                    |
| Packing group:                                                            | -                                    |
| Environmentally hazardous:                                                | -                                    |
| Special precautions for user:                                             | -                                    |
| Transporting/shipment by rail (RID)                                       |                                      |
| UN number:                                                                | Not subject to transport regulations |
| UN proper shipping name:                                                  | -                                    |
| Transport hazard class(es):                                               | -                                    |
| Packing group:                                                            | -                                    |
| Environmentally hazardous:                                                | -                                    |
| Special precautions for user:                                             | -                                    |
| Inland waterway transport (ADN)                                           |                                      |
| UN number:                                                                | Not subject to transport regulations |
| UN proper shipping name:                                                  | -                                    |
| Transport hazard class(es):                                               | -                                    |
| Packing group:                                                            | -                                    |
| Environmentally hazardous:                                                | -                                    |
| Special precautions for user:                                             | -                                    |
| Transporting/shipment by sea (IMDG)                                       |                                      |
| UN number:                                                                | Not subject to transport regulations |
| UN proper shipping name:                                                  | -                                    |
| Transport hazard class(es):                                               | -                                    |
| Packing group:                                                            | -                                    |
| 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 (ICAO-TI/IATA-DGR)                           |                                      |
| UN number:                                                                | Not subject to transport regulations |
| UN proper shipping name:                                                  | -                                    |

|               |                              |                      |              |            |
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|                               |   |
|-------------------------------|---|
| Transport hazard class(es):   | - |
| Packing group:                | - |
| Environmentally hazardous:    | - |
| Special precautions for user: | - |
|                               |   |
| Further information:          | - |

| SECTION 15. Regulatory information |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.1                               | Safety, health and environmental regulations/legislation specific for the substance or mixture               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                    | EU regulations                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                    | Authorization and/or restrictions of use                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                    | Authorizations:                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                    | Restrictions:                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                    | Other EU regulations:                                                                                        | <p>EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;</p> <p>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);</p> <p>EC Regulation No. 2037/2000 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer;</p> <p>EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals;</p> <p>EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants;</p> <p>Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives</p> |
|                                    | Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                    | National legislation:                                                                                        | <p>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</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 15.2                               | Chemical safety assessment                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                    | None                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| SECTION 16. Other information |                        |   |
|-------------------------------|------------------------|---|
| 16.1                          | Indication of changes: | - |

|               |                              |                      |              |            |
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|                |                                                                                                                         |   |                                                                                                                                                                                                                                                                                    |                                                  |
|----------------|-------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 16.2           | Abbreviations and acronyms:                                                                                             |   | PBT                                                                                                                                                                                                                                                                                | Stable, bioaccumulative and toxic                |
|                |                                                                                                                         |   | vPvB                                                                                                                                                                                                                                                                               | Strongly stable and strongly bioaccumulative.    |
|                |                                                                                                                         |   | LD <sub>50</sub>                                                                                                                                                                                                                                                                   | Lethal dose, 50%                                 |
|                |                                                                                                                         |   | LC <sub>50</sub>                                                                                                                                                                                                                                                                   | Lethal concentration, 50%                        |
|                |                                                                                                                         |   | TCOJ                                                                                                                                                                                                                                                                               | Specific target organ toxicity - single exposure |
| 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) |   |                                                                                                                                                                                                                                                                                    |                                                  |
| Classification |                                                                                                                         |   | Classification procedure                                                                                                                                                                                                                                                           |                                                  |
| -              |                                                                                                                         |   | -                                                                                                                                                                                                                                                                                  |                                                  |
| 16.5.          | Relevant H statements (number and full text)                                                                            |   |                                                                                                                                                                                                                                                                                    |                                                  |
|                | H:                                                                                                                      | - | -                                                                                                                                                                                                                                                                                  |                                                  |
| 16.6.          | Training advice:                                                                                                        |   | -                                                                                                                                                                                                                                                                                  |                                                  |
| 16.7.          | Further information:                                                                                                    |   | <p>** "X" in the product code marks different volumes (different packagings of the product)</p> <p>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.</p> |                                                  |

|                                                                         |
|-------------------------------------------------------------------------|
| <b>ANNEX: Exposure scenario resulting to chemical safety assessment</b> |
| -                                                                       |