

|               |                                    |                |             |
|---------------|------------------------------------|----------------|-------------|
| Trading name: | <b>METHYLENE GREEN, C.I. 52020</b> |                |             |
| Product code: | MEG-P-X**                          | Revision date: | 21 Dec 2022 |
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**SECTION 1 Identification of the substance/mixture and of the company/undertaking**

|      |   |   |
|------|---|---|
| 1.1. | Product identifier  |   |
|      | Substance name:   | METHYLENE GREEN, C.I. 52020   |
|      | EC No:  | -   |
|      | Synonyms:   | Methylene Green   |
|      | Product code:   | MEG-P-X**   |
|      | REACH registration number:  | -   |
|      | CAS No:   | 224967-52-6   |
|      | Index no.:  | -   |
| 1.2. | Relevant identified uses of the substance or mixture and uses advised against |   |
|      | Uses:   | For staining nuclei green.  |
|      | 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 listed in the Registry of medical devices 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  |
|      | Fax no.:  | +385 1 2404039  |
|      | e-mail of competent person:   | <a href="mailto:msds@biognost.hr">msds@biognost.hr</a>  |
|      | National contact person:  | -   |
| 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 substances                         | -                   |
| 2.1.2. | Additional information   |                     |
|        | -  |                     |

\*For full text of Hazard- and EU Hazard-statements: see Section 16

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|      |   |                             |  |  |
|------|---|-----------------------------|--|--|
| 2.2. | Label elements  |                             |  |  |
|      | Product identification:   | METHYLENE GREEN, C.I. 52020 |  |  |
|      | Identification number:  | -                           |  |  |
|      | Authorisation number:   | -                           |  |  |
|      | Hazard pictograms:  | -                           |  |  |
|      | Signal word:  | -                           |  |  |
|      | Hazard statements:  | -                           |  |  |
|      | Precautionary statements:   | -                           |  |  |
|      | Further information:  | -                           |  |  |
| 2.3. | Other hazards   |                             |  |  |
|      | <b>Endocrine Disrupting Properties:</b>   |                             |  |  |
|      | No known endocrine disrupting properties  |                             |  |  |
|      | <b>Results of PBT and vPvB assessment:</b> According to the results of its assessment, this substance is not a PBT or a vPvB. |                             |  |  |

| SECTION 3. Composition/information on ingredients |        |           |   |                             |
|---|--------|-----------|---|-----------------------------|
| CAS No  | EC No: | Index no. | Identification name                                       | Weight % content (or range) |
| 224967-52-6                                       | -      | -         | 3,7-bis(dimethylamino)-4-nitrophenothiazin-5-ium chloride | 90-100 %                    |

| SECTION 4. First aid measures |   |   |
|-------------------------------|---|---|
| 4.1.                          | Description of first aid measures                           |   |
|                               | General notes:  | -   |
|                               | Following inhalation:                                       | Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician. |
|                               | Following skin contact:                                     | Remove contaminated clothing. Immediately begin rinsing with copious amounts of water for at least 15 min. Seek medical assistance if the symptoms of irritation remain.  |
|                               | Following eye contact:                                      | Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.  |
|                               | Following ingestion:  | DO NOT induce vomiting. If the afflicted person is unconscious, do not provide them with anything orally. Drink at most two glasses of water. Seek medical assistance.  |
|                               | Self-protection of the first aider                          | -   |
| 4.2.                          | Most important symptoms and effects, both acute and delayed |   |
|                               | Following inhalation:                                       | Harmful if inhaled.   |

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|------|--|---------------------------------|
|      | After skin contact:  | Harmful in contact with skin.   |
|      | Following eye contact:   | Risk of serious damage to eyes. |
|      | Following ingestion:   | Harmful if swallowed.           |
| 4.3. | Indication of any immediate medical attention and special treatment needed |                                 |
|      | -  |                                 |

|   |  |  |
|---|--|--|
| <b>SECTION 5. Firefighting measures</b> |  |  |
| 5.1.                                    | Extinguishing media  |  |
|   | Suitable extinguishing media:  | Water, foam, dry powder, CO <sub>2</sub> |
|   | Unsuitable extinguishing media:  | -  |
| 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. Cool closed containers exposed to fire with water spray or vapor. |  |
| 5.4.                                    | Additional information   |  |
|   | Make sure the water used for extinguishing fire does not contaminate water surface or underground waters system.   |  |

|   |   |   |
|---|---|---|
| <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:  | Avoid breathing in dust. Avoid touching the substance. Secure proper ventilation.   |
|   | Emergency procedures:   | Leave the hazardous area, take notice of the emergency procedures.  |
| 6.1.2.  | For emergency responders:   |   |
|   | -   |   |
| 6.2.  | Environmental precautions:  |   |
|   | Do not allow the product enter drainage.                            |   |
| 6.3.  | Methods and material for preventing spreading and cleaning          |   |
| 6.3.1.  | For creating barriers, covering and sealing:                        | Cover the drains. Collect, bind and pump out all the spilled material. Take notice of the possible material restriction (see Sections 7 and 10). Collect in dry form. Avoid generation of dust.   |
| 6.3.2.  | Cleaning up:  | Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature |

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|--------|--|--|
|        |  | Protection. After disposal of the products, wash the area and involved materials with water. |
| 6.3.3. | Other information:                                 | -  |
| 6.4.   | Reference to other sections                        |  |
|        | Indications about waste treatment, see Section 13. |  |

| <b>SECTION 7. Handling and storage</b> |  |   |
|--|--|---|
| 7.1.                                   | Precautions for safe handling  |   |
| 7.1.1.                                 | Protection measures  |   |
|  | Measures to prevent fire:  | Keep away from sources of ignition and heat. Do not use sparkling tools.  |
|  | Measures to prevent aerosol and dust generation:   | Secure proper ventilation.  |
|  | Environmental precautions:   | 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:   | Minimize dust formation. Avoid breathing in dust. Avoid contact with skin, eyes, and clothes. Keep in tightly closed containers.  |
|  | Containers materials:  | Manufacturer's original packaging.  |
|  | Requirements for storage rooms and vessels:  | Keep in a tightly closed container. Keep in cool, dry and well ventilated space away from non-compatible substances.  |
|  | 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:   | No information available.   |
| 7.3.                                   | Specific end use(s)  |   |
|  | Recommendations:   | -   |
|  | Industrial sector specific solutions:  | -   |

| <b>SECTION 8. Exposure controls/personal protection</b> |                    |        |  |
|---|--------------------|--------|--|
| 8.1.  | Control parameters |        |  |
|   | Substance          | CAS No | Occupational exposure limit values/short term values |
|   |                    |        | Biological limit values                              |

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|   |   |     |                   |   |
|---|---|-----|-------------------|---|
|   |   | ppm | mg/m <sup>3</sup> |   |
| - | - | -   | -                 | - |

Does not contain substances regulated by the professional exposure limit values.

|                 |   |
|-----------------|---|
| Substance name: | - |
| EC No:          | - |
| CAS No:         | - |

**DNEL**

**Industrial**

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|-----------------------|----------------------|-------------------------|
| Oral               | -                  | -                     | -                    | -                       |
| 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 personal protective equipment. Do not eat, drink or smoke in the workspace. |
| Structural measures to prevent exposure:                                       | No information available  |

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|          |   |   |
|----------|---|---|
|          | Organisational measures to prevent exposure:            | Organization of work in order to reduce other worker's influence during work process.   |
|          | Technical measures for preventing exposure:             | Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.   |
| 8.2.2.   | <b>Personal protection equipment</b>                    |   |
| 8.2.2.1. | Eye and face protection:                                | Safety glasses that stick to face (preventing splashing) or visor (EN 166).   |
| 8.2.2.2. | <b>Skin protection</b>                                  |   |
|          | Hand protection:  | The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374 full contact:<br>Gloves material: Nitrile rubber<br>Glove thickness: 0.11 mm<br>Break through time:> 480 min<br>splash contact:<br>Gloves material: Nitrile rubber<br>Glove thickness: 0.11 mm<br>Break through time:> 480 min |
|          | Other skin protection:                                  | In normal circumstances use cotton clothes and adequate footwear, such as rubber boots or shoes that cover the entire foot. In case of spillage risk use clothes made of impermeable material suitable for protection against liquid chemicals (Viton, PVC himex - HRN EN 465) and footwear made of the same material.  |
| 8.2.2.3. | Respiratory protection:                                 | Required when dust are generated. Recommended filter type: Filter P 3 (acc. to DIN 3181) for solid and liquid particles of toxic and very toxic substances.   |
| 8.2.2.4. | Thermal hazards:  | -   |
| 8.2.3.   | <b>Environmental exposure controls</b>                  |   |
|          | 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 for preventing exposure:             | See Section 6   |

**SECTION 9. Physical and chemical properties**

9.1. Information on basic physical and chemical properties

|  | Value | Method |
|--|-------|--------|
|--|-------|--------|

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|   |                                    |                          |
|---|------------------------------------|--------------------------|
| Physical state:   | powder                             | No information available |
| Colour:   | dark green                         | No information available |
| Odour/odour threshold:                                    | odourless/no information available | No information available |
| Melting point / freezing point:                           | No information available           | No information available |
| Boiling point or initial boiling point and boiling range: | No information available           | No information available |
| Flammability:   | No information available           | No information available |
| Lower and upper explosion limit:                          | No information available           | No information available |
| Flash point:  | No information available           | No information available |
| Auto-ignition temperature:                                | No information available           | No information available |
| Decomposition temperature:                                | No information available           | No information available |
| pH:   | No information available           | No information available |
| Kinematic viscosity:                                      | No information available           | No information available |
| Solubility:   | No information available           | No information available |
| Partition coefficient n-octanol/water (log value):        | No information available           | No information available |
| Vapour pressure:  | No information available           | No information available |
| Density and/or relative density:                          | No information available           | No information available |
| Relative vapour density:                                  | No information available           | No information available |
| Particle characteristics:                                 | 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:                 | The product is chemically stable under standard ambient conditions of storing and using (room temperature). |
| 10.3. | Possibility of hazardous reactions: | Strong oxidizing agents   |
| 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:                      |

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| Route of exposure: | Method                   | Species                  | Dose LD <sub>50</sub> /LC <sub>50</sub> | Exposure period          | Result |
|--------------------|--------------------------|--------------------------|---|--------------------------|--------|
| Oral exposure:     | No information available | No information available | No information available                | No information available | -      |
| Skin contact:      | No information available | No information available | No information available                | No information available | -      |
| Inhaling:          | No information available | No information available | No information available                | No information available | -      |

Specific target organ toxicity – single exposure (STOT SE):

|                | Specific effects         | Target organ             | Note |
|----------------|--------------------------|--------------------------|------|
| Oral exposure: | No information available | No information available | -    |
| Skin contact:  | No information available | No information available | -    |
| Inhaling:      | No information available | No information available | -    |

Aspiration hazard: No information available

Irritation and corrosion

|                               | Exposure time            | Species                  | Evaluation | Method                   | Note                     |
|-------------------------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|
| Skin corrosion/irritation:    | No information available | No information available | -          | No information available | No information available |
| Serious eye damage/irritation | No information available | No information available | -          | No information available | No information available |

Sensitization

|               |                          |
|---------------|--------------------------|
| Skin contact: | No information available |
| Inhaling:     | No information available |

Symptoms related to the physical, chemical and toxicological characteristics

|                |                          |
|----------------|--------------------------|
| Oral exposure: | No information available |
| Skin contact:  | No information available |
| Inhaling:      | No information available |
| Eye contact:   | No information available |

Repeated dose toxicity (subacute, subchronic, chronic)

|  | Dose | Exposure time | Species | Method | Evaluation | Note |
|--|------|---------------|---------|--------|------------|------|
|--|------|---------------|---------|--------|------------|------|



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|                            |                          |                          |                          |                          |                          |   |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| 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 inhaling toxicity | 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 toxicity | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic inhalation      | No information available | No information available | No information available | No information available | No information available | - |
| Chronic oral               | No information available | No information available | No information available | No information available | No information available | - |
| Chronic dermal toxicity    | No information available | No information available | No information available | No information available | No information available | - |
| Chronic inhalation         | No information available | No information available | No information available | No information available | No information available | - |

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

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

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

**11.2. Information on other hazards:**

**11.2.1. Endocrine disrupting properties:**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**11.2.2. Other information:**

-

**SECTION 12. Ecological information**

**12.1. Toxicity**

| Acute (short-term) toxicity  | Dose             | Exposure period | 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 | -    |
| Microorganisms               | -                | -               | -                        | -                        | -                        | -    |
| Chronic (long-term) toxicity | Dose             | Exposure period | Species                  | Method                   | Evaluation               | Note |

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|                      |                  |          |                          |                          |                          |   |
|----------------------|------------------|----------|--------------------------|--------------------------|--------------------------|---|
| 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 | - |
| Microorganisms       | -                | -        | -                        | -                        | -                        | - |

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

**12.3. Bioaccumulative potential**

Partition coefficient: n-octanol/water (log K<sub>ow</sub>):

| Value                    | Concentration            | pH | °C | Method                   | Evaluation               | Note                     |
|--------------------------|--------------------------|----|----|--------------------------|--------------------------|--------------------------|
| No information available | No information available | -  | -  | No information available | No information available | No information available |
|                          |                          |    |    |                          |                          |                          |

Bioconcentration factor (BCF)

| Value | Species | Method | Evaluation | Note |
|-------|---------|--------|------------|------|
|-------|---------|--------|------------|------|

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

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| Chronic ecotoxicity |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|

| Value                                   | Dose             | Exposure period          | 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 (Daphnia) | 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 | -    |

|                         |  |  |  |  |  |  |
|-------------------------|--|--|--|--|--|--|
| Adsorption / desorption |  |  |  |  |  |  |
|-------------------------|--|--|--|--|--|--|

| Transport  | A/D coefficient 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 |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|

|               |                                    |                |             |
|---------------|------------------------------------|----------------|-------------|
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|       |   |
|-------|---|
| 12.6. | Endocrine disrupting properties   |
|       | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| 12.7. | Other adverse effects   |
|       | No information available  |

|  |   |
|--|---|
| <b>SECTION 13. Disposal considerations</b> |   |
| 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:  |
|  | No information available  |
| 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. Do not dispose of in places where ignition may occur. |
| 13.1.6.                                    | Relevant Community provisions:  |
|  | -   |

|  |                                       |
|--|---------------------------------------|
| <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:                           | -                                     |
| Environmental hazard(s):                 | -                                     |
| Special precautions for user:            | -                                     |

|               |                                    |                |             |
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|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Transporting/shipment by rail (RID) |                                       |
| UN number:                          | Not subject to transport regulations. |
| UN proper shipping name:            | -                                     |
| Transport hazard class(es):         | -                                     |
| Packing group:                      | -                                     |
| Environmental hazard(s):            | -                                     |
| 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:                  | -                                     |
| Environmental hazard(s):        | -                                     |
| 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:  | -                                     |
| Environmental hazard(s):  | -                                     |
| 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:                        | -                                     |
| Transport hazard class(es):                     | -                                     |
| Packing group:                                  | -                                     |
| Environmental hazard(s):                        | -                                     |
| Special precautions for user:                   | -                                     |

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

|   |  |
|---|--|
| <b>SECTION 15. Regulatory information</b> |  |
| 15.1.                                     | Safety, health and environmental regulations/legislation specific for the substance or mixture |
|   | EU regulations   |

|               |                                    |                |             |          |   |
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|                       |  |  |
|-----------------------|--|--|
|                       | Authorization and/or restrictions of use   |  |
| Authorizations:       | -  |  |
| Restrictions:         | -  |  |
| Other EU regulations: | <p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;</p> <p>Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;</p> <p>Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;</p> <p>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</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, Transport of Hazardous Substances Act</p>  |  |
| 15.2.                 | Chemical safety assessment   |  |
|                       | None   |  |

|                                      |                             |   |
|--------------------------------------|-----------------------------|---|
| <b>SECTION 16. Other information</b> |                             |   |
| 16.1.                                | Indication of changes:      | -   |
| 16.2.                                | Abbreviations and acronyms: | <p>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>IATA: International Air Transport Association</p> <p>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society)</p> <p>DNEL: Derived No-Effect Level (UK REACH)</p> <p>LC50: Lethal concentration, 50 percent</p> <p>LD50: Lethal dose, 50 percent</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>vPvB: very Persistent and very Bioaccumulative</p> |

|               |                                    |                |             |
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|       |   |  |
|-------|---|--|
| 16.3. | Key literature references and source of data: | -  |
| 16.4. | Relevant H statements (number and full text)  |  |
|       | H: -  | -  |
| 16.5. | Training advice:                              | -  |
| 16.6. | 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> |

**ANNEX:**  
**Exposure scenario resulting to Chemical safety assessment**

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