



|               |                        |                |             |          |   |
|---------------|------------------------|----------------|-------------|----------|---|
| Trading name: | AURAMINE O, C.I. 41000 |                |             |          |   |
| Product code: | AU-P-X**               | Revision date: | 21 Dec 2022 | Version: | 4 |

| SECTION 1. Identification of the substance/mixture and of the company/undertaking |   |  |
|---|---|--|
| 1.1.  | Product identifier  |  |
|   | Substance name:   | AURAMINE O, C.I. 41000   |
|   | EC No:  | 219-567-2  |
|   | Synonyms:   | Basic Yellow 2   |
|   | Catalogue number:   | AU-P-X**   |
|   | REACH registration number:  | -  |
|   | CAS No:   | 2465-27-2  |
|   | Index no.:  | -  |
| 1.2.  | Relevant identified uses of the substance or mixture and uses advised against |  |
|   | Uses:   | For staining acid-fast lung tissue bacteria acc. to Truant.  |
|   | 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   |
|   | Fax no.:  | +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 information                                     |  |                     |
|--|--|---------------------|
| 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*: |
|  | Acute Tox. 4   | H302                |
|  | Acute Tox. 3   | H311                |
|  | Carc. 2  | H351                |
| 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:  | AURAMINE O, C.I. 41000  |
|      | Identification number:   | -   |
|      | Authorization no.:   | -   |
|      | Hazard pictograms:   | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <br/> GHS06 </div> <div style="text-align: center;"> <br/> GHS08 </div> </div> |
|      | Signal word:   | Danger  |
|      | Hazard statements:   | H302 Harmful if swallowed.<br>H311 Toxic in contact with skin.<br>H351 Suspected of causing cancer.   |
|      | Precautionary statements:  | P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water and soap.<br>P308 + P313 IF exposed or concerned: Get medical advice/attention.  |
|      | Further information:   | -   |
| 2.3. | Other hazards  |   |
|      | <b>Endocrine Disrupting Properties:</b><br>No known endocrine disrupting properties<br><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) |
| 2465-27-2   | 219-567-2 | -         | 4,4'-carbonimidoylbis(N,N-dimethylaniline) monohydrochloride | ~ 80 %                      |

| SECTION 4. First aid measures |                                   |
|-------------------------------|-----------------------------------|
| 4.1.                          | Description of first aid measures |
|                               | General notes:                    |
|                               | Following inhalation:             |
|                               | Following skin contact:           |

|               |                               |                |             |          |   |
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|      |  |   |
|------|--|---|
|      |  | 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. Seek medical attention in case of irritation or other symptoms. |
|      | Self-protection of the first aider:  | -   |
| 4.2. | Most important symptoms and effects, both acute and delayed                |   |
|      | Following inhalation:  | Harmful if swallowed.   |
|      | Following skin contact:  | Harmful by inhalation and 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:  | In case of fire use water spray for cooling the jars. Use water spray, dry dust, CO <sub>2</sub> or suitable foam. |
|   | Unsuitable extinguishing media:  | -  |
| 5.2.                                    | Special hazards arising from the substance or mixture  |  |
|   | Hazardous combustion products:   | -  |
| 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   |  |
|   | -  |  |

|   |   |  |
|---|---|--|
| <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:  | -  |
|   | Emergency procedures:   | -  |
| 6.1.2.  | For emergency responders:   |  |
|   | -   |  |
| 6.2.  | Environmental precautions:  |  |

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|--------|--|--|
|        | -  |  |
| 6.3.   | Methods and material for containment and cleaning up |  |
| 6.3.1. | For creating barriers, covering and sealing:         | -  |
| 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 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                          |  |
|        | -  |  |

|  |  |  |
|--|--|--|
| <b>SECTION 7. Handling and storage</b> |  |  |
| 7.1.                                   | Precautions for safe handling  |  |
| 7.1.1.                                 | Protection measures  |  |
|  | Measures to prevent fire:  | Heat sources.  |
|  | 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:   | Wash hands thoroughly after handling. Use with appropriate ventilation. Minimize dust formation. Avoid inhaling vapor, dust, mist or gas. Avoid contact with skin, eyes and clothes. Keep in tightly closed container. Avoid swallowing and breathing. |
|  | Packaging materials:   | Manufacturer's original packaging.   |
|  | Requirements for storage rooms and vessels:  | Keep container tightly closed. Keep in cool, dry and well-ventilated space, away from incompatible 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)  |  |

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|                                       |   |
|---------------------------------------|---|
| 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               | -                  | -                     | -                    | -                       |
| 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 |

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|          |  |   |
|----------|--|---|
| 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  |
|          | Organisational measures to prevent exposure:                                   | Organization of work in order to reduce other worker's influence during work process.   |
|          | Technical measures to prevent exposure:  | Use with appropriate ventilation.   |
| 8.2.2.   | Personal protection equipment  |   |
| 8.2.2.1. | Eye and face protection:   | Safety glasses that stick to face (preventing splashing) or visor.  |
| 8.2.2.2. | Skin protection  |   |
|          | Hand protection:   | In case of coming into thorough contact, use butyl rubber gloves (0.4 mm thick). In case of contact with drops, use polychlorene gloves (0.1 mm thick).   |
|          | Other skin protection:   | During everyday work use cotton clothing and suitable footwear, such as rubber boots or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material. |
| 8.2.2.3. | Respiratory protection:  | 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.   | 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   |

|  |   |       |        |
|--|---|-------|--------|
| <b>SECTION 9. Physical and chemical properties</b> |   |       |        |
| 9.1.   | Information on basic physical and chemical properties |       |        |
|  |   | Value | Method |

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|---|--|--------------------------|
| Physical state:   | powder   | No information available |
| Color:  | yellow   | No information available |
| Odour/odour threshold:                                    | no odor/no information available               | No information available |
| Melting point / freezing point:                           | >250 °C  | 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:                                | 265 °C   | No information available |
| pH:   | 6 - 7 (10g/l at 20°C)                          | No information available |
| Kinematic viscosity:                                      | No information available                       | No information available |
| Solubility:   | soluble in alcohol and mildly soluble in water | 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:                          | soluble in alcohol and mildly soluble in water | 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: | No information available  |
| 10.4.                                | Conditions to avoid:                | Incompatible materials.   |
| 10.5.                                | Incompatible materials:             | Strongly oxidizing media.   |
| 10.6.                                | Hazardous decomposition products:   | Reaction in contact with nitrates, nitric acid and nitrate gases may liberate carcinogenic nitrosamines.    |

| SECTION 11. Toxicological information |                                      |
|---------------------------------------|--------------------------------------|
| 11.1.                                 | Information on toxicological effects |

|               |                               |                |             |          |   |
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| Acute toxicity:      |                          |                          |   |                          |           |
|----------------------|--------------------------|--------------------------|---|--------------------------|-----------|
| Route of exposure:   | Method                   | Species                  | Dose LD <sub>50</sub> /LC <sub>50</sub> | Exposure time            | Results   |
| Oral exposure:       | No information available | mouse                    | LD <sub>50</sub>                        | No information available | 480 mg/kg |
| Dermal exposure:     | No information available | mouse                    | LD <sub>50</sub>                        | No information available | 300 mg/kg |
| Inhalation exposure: | 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 | -    |
| Dermal exposure:  | No information available | No information available | -    |
| Inhalation exposure:  | 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        |                          |
|----------------------|--------------------------|
| Dermal exposure:     | No information available |
| Inhalation exposure: | No information available |

| Symptoms related to the physical, chemical and toxicological characteristics |   |
|--|---|
| Oral exposure:   | Harmful if swallowed.                           |
| Dermal exposure:   | Harmful by inhalation and in contact with skin. |



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|                      |                                 |
|----------------------|---------------------------------|
| Inhalation exposure: | Harmful if swallowed.           |
| Eye exposure:        | Risk of serious damage to eyes. |

|  |  |
|--|--|
|  | 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 | -    |
| Chronic dermal        | No information available | No information available | No information available | No information available | No information available | -    |
| Chronic inhalation    | No information available | No information available | No information available | No information available | No information available | -    |

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

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

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| inhalation            |                          | 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 | - |

|                                |  |  |  |
|--------------------------------|--|--|--|
|                                | CMR effects (carcinogenicity, mutagenicity, reproductive toxicity) |  |  |
| Carcinogenicity:               | Suspected of causing cancer.                                       |  |  |
| 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 informations:   |
|         | -   |

|   |          |
|---|----------|
| <b>SECTION 12. Ecological information</b> |          |
| 12.1.                                     | Toxicity |

|               |                               |                |             |          |   |  |
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| 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> | 72 hours      | 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 |  |
| No information available | No information available | No information available | No information available | -    |  |
|                          |                          |                          |                          |      |  |
|                          |                          |                          |                          |      |  |

## 12.3. Bioaccumulative potential

| Partition coefficient: n-octanol/water (log Kow): |                |    |    |                |                |                |
|---|----------------|----|----|----------------|----------------|----------------|
| Value   | Concentration  | pH | °C | Method         | Evaluation     | Note           |
| 2.98  | No information | -  | -  | No information | No information | No information |

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|  |           |  |  |           |           |           |
|--|-----------|--|--|-----------|-----------|-----------|
|  | available |  |  | available | available | available |
|  |           |  |  |           |           |           |
|  |           |  |  |           |           |           |

|                          |                               |                          |                          |                          |  |
|--------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--|
|                          | Bioconcentration factor (BCF) |                          |                          |                          |  |
| Value                    | Species                       | Method                   | Evaluation               | Note                     |  |
| No information available | 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 (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<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 | -    |  |

|               |                               |                |             |          |   |
|---------------|-------------------------------|----------------|-------------|----------|---|
| Trading name: | <b>AURAMINE O, C.I. 41000</b> |                |             |          |   |
| Product code: | AU-P-X**                      | Revision date: | 21 Dec 2022 | Version: | 4 |

|       |   |           |           |           |  |
|-------|---|-----------|-----------|-----------|--|
|       | available   | available | available | available |  |
| 12.5. | Results of PBT and vPvB assessment  |           |           |           |  |
|       | No information available  |           |           |           |  |
| 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:                               | 2811                                |  |  |  |  |

|               |                               |                |             |          |   |
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|                               |   |
|-------------------------------|---|
| UN proper shipping name:      | Toxic solid, organic, n.o.s. (4,4'-carbonimidoylbis (N, N-dimethylaniline) monohydrochloride) |
| Transport hazard class(es):   | 6.1   |
| Packing group:                | III   |
| Environmental hazard(s):      | -   |
| Special precautions for user: | -   |

|                                     |   |
|-------------------------------------|---|
| Transporting/shipment by rail (RID) |   |
| UN number:                          | 2811  |
| UN proper shipping name:            | Toxic solid, organic, n.o.s. (4,4'-carbonimidoylbis (N, N-dimethylaniline) monohydrochloride) |
| Transport hazard class(es):         | 6.1   |
| Packing group:                      | III   |
| Environmental hazard(s):            | -   |
| Special precautions for user:       | -   |

|   |   |
|---|---|
| Transporting/shipment by inland waterways (ADN) |   |
| UN number:                                      | 2811  |
| UN proper shipping name:                        | Toxic solid, organic, n.o.s. (4,4'-carbonimidoylbis (N, N-dimethylaniline) monohydrochloride) |
| Transport hazard class(es):                     | 6.1   |
| Packing group:                                  | III   |
| Environmental hazard(s):                        | -   |
| Special precautions for user:                   | -   |

|   |   |
|---|---|
| Transporting/shipment by sea (IMDG)                                       |   |
| UN number:  | 2811  |
| UN proper shipping name:  | Toxic solid, organic, n.o.s. (4,4'-carbonimidoylbis (N, N-dimethylaniline) monohydrochloride) |
| Transport hazard class(es):   | 6.1   |
| Packing group:  | III   |
| 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:                                      | 2811  |
| UN proper shipping name:                        | Toxic solid, organic, n.o.s. (4,4'-carbonimidoylbis (N, N-dimethylaniline) monohydrochloride) |
| Transport hazard class(es):                     | 6.1   |
| Packing group:                                  | III   |

|               |                               |                |             |          |   |
|---------------|-------------------------------|----------------|-------------|----------|---|
| Trading name: | <b>AURAMINE O, C.I. 41000</b> |                |             |          |   |
| Product code: | AU-P-X**                      | Revision date: | 21 Dec 2022 | Version: | 4 |

|                               |   |
|-------------------------------|---|
| 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   |  |
|   | 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:  | 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   |
| 15.2.                                     | Chemical safety assessment   |  |
|   | None   |  |

| <b>SECTION 16. Other information</b> |                             |  |
|--------------------------------------|-----------------------------|--|
| 16.1.                                | Indication of changes:      | -  |
| 16.2.                                | Abbreviations and acronyms: | ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous |

|               |                               |                |             |          |   |
|---------------|-------------------------------|----------------|-------------|----------|---|
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|       |   |  |
|-------|---|--|
|       |   | <p>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> |
| 16.3. | Key literature references and source of data: | -  |
| 16.4. | Relevant H statements (number and full text)  |  |
|       | <p>302</p> <p>H: 311</p> <p>351</p>           | <p>Harmful if swallowed.</p> <p>Harmful in contact with skin.</p> <p>Suspected of causing cancer.</p>  |
| 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>   |

|  |  |
|--|--|
| <b>ANNEX:</b>  |  |
| <b>EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT</b> |  |
| -  |  |