

# SAFETY DATA SHEET

According to Annex II EP and Council Regulation 1907/2006 / EC and Commission Regulation (EU) 2020/878

|                     |            |
|---------------------|------------|
| Date of compilation | 21.11.2025 |
| Revision date       |            |

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

|                                                                                    |                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1. Product identifier                                                            |                                                                                                                                                                                                       |
| Chemical name/Synonyms                                                             | -                                                                                                                                                                                                     |
| Trade name                                                                         | Koloidné striebro Ag100                                                                                                                                                                               |
| Registration number                                                                | -                                                                                                                                                                                                     |
| CAS                                                                                | -                                                                                                                                                                                                     |
| EINECS                                                                             | -                                                                                                                                                                                                     |
| ELINCS                                                                             | -                                                                                                                                                                                                     |
| 1.2. Relevant identified uses of the substance or mixture and uses advised against | For technical and laboratory use.                                                                                                                                                                     |
| 1.3. Details of the supplier of the safety data sheet                              | Eubomír Drgán TRIX                                                                                                                                                                                    |
| Street No.                                                                         | Oravická 2616                                                                                                                                                                                         |
| Zip Code                                                                           | 028 01                                                                                                                                                                                                |
| City                                                                               | Trstená                                                                                                                                                                                               |
| State                                                                              | Slovensko                                                                                                                                                                                             |
| Telephone number                                                                   | +421905631280<br>+421435392877                                                                                                                                                                        |
| E-mail                                                                             | <a href="mailto:trix@trix.sk">trix@trix.sk</a>                                                                                                                                                        |
| 1.4. Emergency telephone number                                                    | National Toxicological Information Centre<br>University Hospital Bratislava, Limbová 5, 833 05 Bratislava, Slovakia<br>Phone: +421 2 5477 4166, Email: <a href="mailto:ntic@ntic.sk">ntic@ntic.sk</a> |

## SECTION 2: Hazards identification

|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| 2.1. Classification of the substance or mixture | The mixture is not classified as hazardous. |
| 2.2. Label elements                             |                                             |
| hazard pictogram                                | not                                         |
| signal word                                     | not                                         |
| hazard statement                                | not                                         |
| precautionary statement                         | not                                         |
| contains                                        | not                                         |
| 2.3. Other hazards                              | information not available                   |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

### 3.2. Mixtures

|                              |             |  |
|------------------------------|-------------|--|
| Name                         | silver      |  |
| Concentration                | 10 - 50 ppm |  |
| CAS                          | 7440-22-4   |  |
| EC                           | 231-131-3   |  |
| Registration number          | not         |  |
| Symbol                       | not         |  |
| Classification               | not         |  |
| H statements                 |             |  |
| Specific concentration limit | not         |  |

|                                     |                               |  |
|-------------------------------------|-------------------------------|--|
| <b>M-factor</b>                     |                               |  |
| <b>Signal word</b>                  | not                           |  |
| <b>Workplace occupational limit</b> | not                           |  |
| <b>PBT/vPvB</b>                     | not                           |  |
| <b>Endocrine disrupting</b>         | not                           |  |
| <b>Nanoform</b>                     | particle size from 1 to 10 nm |  |

#### SECTION 4: First aid measures

|                                                                                        |                                                                                                                        |                                                                                                                   |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>4.1. Description of first aid measures</b>                                          | <b>inhalation</b>                                                                                                      | Remove victim to fresh air.                                                                                       |
|                                                                                        | <b>eye</b>                                                                                                             | In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention if symptoms persist. |
|                                                                                        | <b>skin</b>                                                                                                            | Wash affected skin thoroughly with water. Seek medical attention if symptoms persist.                             |
|                                                                                        | <b>ingestion</b>                                                                                                       | Do not induce vomiting. Rinse mouth with water. Seek medical attention. Keep calm.                                |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b>                | Information not available                                                                                              |                                                                                                                   |
| <b>4.3. Indication of any immediate medical attention and special treatment needed</b> | If you have any health problems or if you are in doubt, or if accidentally swallowed, seek medical advice immediately. |                                                                                                                   |

#### SECTION 5: Firefighting measures

|                                                                   |                                                                                                                                                                                                                                               |                                   |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>5.1. Extinguishing media</b>                                   | <b>Suitable</b>                                                                                                                                                                                                                               | According to the surrounding fire |
|                                                                   | <b>Unsuitable</b>                                                                                                                                                                                                                             | Strong water jet.                 |
| <b>5.2. Special hazards arising from the substance or mixture</b> | Information not available                                                                                                                                                                                                                     |                                   |
| <b>5.3. Advice for firefighters</b>                               | High temperatures can lead to high pressure in closed containers. Avoid breathing vapors. Wear suitable respiratory protection, recirculating air respirator and completely closed protective clothing to prevent contact with skin and eyes. |                                   |

#### SECTION 6: Accidental release measures

|                                                                                 |                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.1. Personal precautions, protective equipment and emergency procedures</b> | Evacuate the surrounding areas. Ensure adequate ventilation. Avoid contact with skin and eyes.<br>Eye/face protection: Safety glasses<br>Skin protection: Protective gloves<br>Body protection: Protective work clothing                                                |
| <b>6.2. Environmental precautions</b>                                           | To prevent possible contamination of the environment, do not discharge into drains, surface or ground water.                                                                                                                                                            |
| <b>6.3. Methods and material for containment and cleaning up</b>                | Cover with inert, inorganic, non-combustible absorbent material (eg dry lime, sand, soda). Place in closed containers. When material collection is complete, ventilate the area and wash the spill area. Dispose of in accordance with applicable laws and regulations. |
| <b>6.4. Reference to other sections</b>                                         | Not specified                                                                                                                                                                                                                                                           |

#### SECTION 7: Handling and storage

|                                                                          |                                                                                                                                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1. Precautions for safe handling</b>                                | The product is handled according to the instructions for use, which are given on the consumer packaging. Follow general hygiene and safety regulations for personal protection |
| <b>7.2. Conditions for safe storage, including any incompatibilities</b> | Store only in original packaging in dry areas protected from weather conditions. Do not store together with food, drinks and animal feed. Keep out of reach of children.       |
| <b>7.3. Specific end use(s)</b>                                          | Not specified                                                                                                                                                                  |

**SECTION 8: Exposure controls/personal protection**

|                                |                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8.1. Control parameters</b> | Not specified                                                                                                                                                                                                                                                                                                           |
| <b>8.2. Exposure controls</b>  | <i>Eye/face protection:</i> safety glasses EN 166(EU)<br><i>Skin protection:</i> protective gloves should comply with the specifications of EN374<br>Material: natural latex/chloroprene<br>Minimum layer thickness: 0.6 mm<br>Breakthrough time: 480 min<br><i>Respiratory protection:</i> not required for normal use |

**SECTION 9: Physical and chemical properties**

|                                                                   |               |
|-------------------------------------------------------------------|---------------|
| <b>9.1. Information on basic physical and chemical properties</b> |               |
| <b>Physical state</b>                                             | liquid        |
| <b>Colour</b>                                                     | colorless     |
| <b>Odour</b>                                                      | odorless      |
| <b>Odour threshold</b>                                            | not specified |
| <b>pH</b>                                                         | 7             |
| <b>Melting point/freezing point [°C]</b>                          | not specified |
| <b>Initial boiling point and boiling range [°C]</b>               | not specified |
| <b>Flash point [°C]</b>                                           | not specified |
| <b>Evaporation rate</b>                                           | not specified |
| <b>Flammability (solid, gas)</b>                                  | not specified |
| <b>Auto-ignition temperature [°C]</b>                             | not specified |
| <b>Decomposition temperature [°C]</b>                             | not specified |
| <b>Upper flammability or explosive limits</b>                     | not specified |
| <b>Lower flammability or explosive limits</b>                     | not specified |
| <b>Oxidising properties</b>                                       | not specified |
| <b>Explosive properties</b>                                       | not specified |
| <b>Vapour pressure [hPa]</b>                                      | not specified |
| <b>Vapour density</b>                                             | not specified |
| <b>Relative density [g.cm<sup>-3</sup>]</b>                       | not specified |
| <b>Solubility in water [g.l<sup>-1</sup>]</b>                     | 1,0008        |
| <b>Solubility in solvent [g.l<sup>-1</sup>]</b>                   | not specified |
| <b>Partition coefficient: n-octanol/water</b>                     | not specified |
| <b>Viscosity</b>                                                  | not specified |
| <b>9.2. Other information</b>                                     | not specified |

**SECTION 10: Stability and reactivity**

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| <b>10.1. Reactivity</b>                         | Not specified                                        |
| <b>10.2. Chemical stability</b>                 | Stable under recommended storage and use conditions. |
| <b>10.3. Possibility of hazardous reactions</b> | Not specified                                        |
| <b>10.4. Conditions to avoid</b>                | Not specified                                        |
| <b>10.5. Incompatible materials</b>             | Not specified                                        |
| <b>10.6. Hazardous decomposition products</b>   | Not specified                                        |

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

|                                       |               |               |
|---------------------------------------|---------------|---------------|
| <b>Acute toxicity LD<sub>50</sub></b> | <b>Oral</b>   | Not specified |
|                                       | <b>Dermal</b> | Not specified |

|                                          |                   |               |
|------------------------------------------|-------------------|---------------|
|                                          | <b>Inhalation</b> | Not specified |
| <b>skin corrosion/irritation</b>         |                   | Not specified |
| <b>serious eye damage/irritation</b>     |                   | Not specified |
| <b>respiratory or skin sensitisation</b> |                   | Not specified |
| <b>germ cell mutagenicity</b>            |                   | Not specified |
| <b>carcinogenicity</b>                   |                   | Not specified |
| <b>reproductive toxicity</b>             |                   | Not specified |
| <b>STOT-single exposure</b>              |                   | Not specified |
| <b>STOT-repeated exposure</b>            |                   | Not specified |
| <b>aspiration hazard</b>                 |                   | Not specified |

#### **SECTION 12: Ecological information**

|                                                 |               |
|-------------------------------------------------|---------------|
| <b>12.1. Toxicity</b>                           | Not specified |
| <b>12.2. Persistence and degradability</b>      | Not specified |
| <b>12.3. Bioaccumulative potential</b>          | Not specified |
| <b>12.4. Mobility in soil</b>                   | Not specified |
| <b>12.5. Results of PBT and vPvB assessment</b> | Not specified |
| <b>12.6. Endocrine disrupting properties</b>    | Not specified |
| <b>12.7. Other adverse effects</b>              | Not specified |

#### **SECTION 13: Disposal considerations**

|                                                                                       |
|---------------------------------------------------------------------------------------|
| <b>13.1. Waste treatment methods</b>                                                  |
| Dispose of waste in accordance with European legislation<br>Treat as hazardous waste. |

#### **SECTION 14: Transport information**

|                                                                      |                                                                 |
|----------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                  | The mixture is not dangerous according to transport regulations |
| <b>14.2. UN proper shipping name</b>                                 | Not specified                                                   |
| <b>14.3. Transport hazard class(es)</b>                              | Not specified                                                   |
| <b>14.4. Packing group</b>                                           | Not specified                                                   |
| <b>14.5. Environmental hazards</b>                                   | Not specified                                                   |
| <b>14.6. Special precautions for user</b>                            | Not specified                                                   |
| <b>14.7. Maritime transport in bulk according to IMO instruments</b> | Not specified                                                   |

#### **SECTION 15: Regulatory information**

|                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>                                                                                                                                                                                            |
| - Regulation No 1907/2006 of EP and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency<br>- Regulation No 1272/2008 of EP and Council on classification, labelling and packaging of substances and mixtures |

- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)  
- Restriction according to Commission Regulation No 552/2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII: none

#### **15.2. Chemical safety assessment**

It was not done for the mixture

#### **SECTION 16: Other information**

**Revision and changes: -**

**Text of H-statements from section 3: -**