

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 zlato Au100
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 +421435392877
E-mail	trix@trix.sk
1.4. Emergency telephone number	National Toxicological Information Centre University Hospital Bratislava, Limbová 5, 833 05 Bratislava, Slovakia Phone: +421 2 5477 4166, Email: ntic@ntic.sk

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	gold	
Concentration	10 ppm	
CAS	7440-57-5	
EC	231-165-9	
Registration number	not	
Symbol	not	
Classification	not	
H statements		
Specific concentration limit	not	

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

SECTION 4: First aid measures

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

SECTION 5: Firefighting measures

5.1. Extinguishing media	Suitable	According to the surrounding fire
	Unsuitable	Strong water jet.
5.2. Special hazards arising from the substance or mixture	Information not available	
5.3. Advice for firefighters	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

6.1. Personal precautions, protective equipment and emergency procedures	Evacuate the surrounding areas. Ensure adequate ventilation. Avoid contact with skin and eyes. Eye/face protection: Safety glasses Skin protection: Protective gloves Body protection: Protective work clothing	
6.2. Environmental precautions	To prevent possible contamination of the environment, do not discharge into drains, surface or ground water.	
6.3. Methods and material for containment and cleaning up	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.	
6.4. Reference to other sections	Not specified	

SECTION 7: Handling and storage

7.1. Precautions for safe handling	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
7.2. Conditions for safe storage, including any incompatibilities	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.
7.3. Specific end use(s)	Not specified

SECTION 8: Exposure controls/personal protection

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

SECTION 9: Physical and chemical properties

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

SECTION 10: Stability and reactivity

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

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

Acute toxicity LD₅₀	Oral	Not specified
	Dermal	Not specified

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

SECTION 12: Ecological information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste in accordance with European legislation Treat as hazardous waste.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Regulation No 1907/2006 of EP and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency - 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: -