

Version 1.0

According to regulation EC 1272/2008

CITRATE CAPPED GOLD NANOPARTICLES (15-100 nm)

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

1.1 Product Identifiers

Product name Citrate capped gold nanoparticles

CAS No. 7440-57-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Research and development use only

1.3 Details of the supplier of the safety data sheet

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Ed. CEEI
Parque Tecnológico de Asturias
Llanera 33428 (Asturias) Spain
Phone (+34) 985 980 098
Email info@nanovexbiotech.com

1.4 Emergency telephone number

Emergency phone (+34) 704100087
Institute of Toxicology (+34) 915620420

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Gold
CAS 7440-57-5
N°CE 231-165-9

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	Consult a physician. Show this safety data sheet to the doctor in attendance.
Following inhalation	Remove to fresh air. If breathing becomes difficult, call a physician.
Following skin contact	Wash the skin with copious amounts of water. Consult a physician.
Following eye contact	Remove contacts if presents. Rinse out with plenty of water with the eyelid held wide open for at least 15 minutes. Call a physician.
Following ingestion	If swallowed and persons is conscious was mouth with water. Call a physician.
Self-protection of the first aider	No data available
4.2 Most important symptoms and effects, both acute and delayed	
4.3 Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special hazards arising from the substance or mixture

May form toxic fumes under fire conditions.

5.3 Advice for firefighters

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing, chemical resistant gloves and chemical safety glasses.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Absorb spillage on an appropriate material and place in closed containers for disposal according to local regulations. Ventilate the area and wash it with copious amount of water.

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid eye and skin contact. Wear laboratory coat, gloves and protective glasses.

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage between 2-8 °C. DO NOT FREEZE. Keep container tightly closed and away from light.

7.3 Specific end use

Research and development use only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

No data available

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practise.

Personal Protection

Handle in accordance with good industrial hygiene and safety practise.

Eye/face protection

Wear chemical safety glasses.

Skin protection

Wear chemical resistant gloves

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Red liquid
Odour	No data available
Odour threshold	No data available
pH	5-8
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour Density	No data available
Relative density	No data available
Water solubility	soluble
Partition coefficient	No data available
Auto-ignition temperature	No data available

Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

SECTION 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available
Summary of evaluation of the CMR properties	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

SECTION 12: Ecological information

Avoid contact with water, waste waters or soil.

Toxicity	No data available
Persistence and	No data available

degradability	
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effect	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal	Observe all the state and local environment regulations. Contact a licensed disposal specialist to dispose this material.
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SECTION 14: Transport Information

14.1 UN number

ADR/RID: -	IMDG: -	IATA: -
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14.2 UN proper shipping name

ADR/RID: -	IMDG: -	IATA: -
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14.3 Transport hazard class(es)

ADR/RID: -	IMDG: -	IATA: -
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14.4 Packing group

ADR/RID: -	IMDG: -	IATA: -
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14.5 Environmental hazards

ADR/RID: no	IMDG no Marine pollutant:	IATA: no
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14.6 Special precautions for user

No data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) N° 1907/2006///1272/2008

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2 Chemical Safety Assessment

No chemical safety assessment was carried out.

SECTION 16: Other information

Date of creation: 12/2016

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