



AURION Gold Nanoparticles
Safety Data Sheet: GNP-05/1

Section 1: Product and Company Identification

1.1 Product identifiers

Product Name: Aurion Gold Nanoparticles
Product Numbers: 406.xxx, 410.xxx, 415.xxx, 420.xxx, 425.xxx
Brand: Aurion
Reach Number: N/A as the substance, its uses or the annual tonnage are exempt from registration

1.2 Identified uses of substance or mixture

Identified uses: Laboratory chemicals

1.3 Company information

Manufacturer: Aurion ImmunoGold Reagents & Accessories
Binnenhaven 5, 6709 PD Wageningen,, The Netherlands
Phone: +31-317-415094, Fax: +31-317-415955, Email: info@aurion.nl
Chamber of Commerce 09068171 Arnhem. The Netherlands

1.3 Emergency phone number

Emergency Phone # 112 or 911

Date prepared: July 7, 2020
SDS number: GNP-05/1

Section 2: Composition / Ingredients

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.2. Label elements

Not a hazardous substance or mixture according to regulation (EC) No. 1272/2008

2.3. Other hazards

None

Section 3: Composition / Ingredients

3.2 Mixtures

Synonyms: GNP, Functionalized Gold, GoldSol, Colloidal Gold, Gold Colloid
Formula: Au
Molecular weight: 196.67 g/mol
No components need to be disclosed according to applicable regulations

Section 4: First Aid Measures

4.1 Description of first aid measures

Eye Contact: Flush eyes with water as a precaution
Skin Contact: Wash off with soap and plenty of water
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration.

4.2 Most important symptoms and effects

See section 2.2 and section 11

4.3. Indication of any immediate medical attention and special treatment

No data available

Section 5: Fire Fighting Measures

5.1 Extinguishing Methods

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide

5.2. Specific Hazard(s)

Carbon oxides

5.3. Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing if necessary

5.4 Further information

No data available

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas, Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and materials for containment and cleaning up

Absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site after material pickup is complete with copious amounts of water.

6.4 Reference to other sections

For disposal see section 13

Section 7: Handling and Storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage

Minimum / Maximum Storage Temperatures: 0 - 4°C. Do not freeze.

Storage: Store in a refrigerator

Bottles which are opened must be carefully resealed and kept upright to prevent leakage

7.3 Specific end use(s)

See section 1.2

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

8.2 Exposure controls

Handle in accordance with Good Laboratory Practice

Wash hands before breaks and end of workday

Personal protective equipment

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as EN 166

Protective Gloves: Chemical-resistant gloves that meet Regulation (EU) 2016/425 and standard EN 374

Body protection: Impermeable clothing, lab coat

Respiratory protection: Respiratory protection not required

Control of environmental exposure: No special environmental precautions required



Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid
No other data available

9.2 Other safety information

No data available

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 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

Hazardous decomposition product formed under fire conditions: Carbon oxides.
In the event of fire: See section 5

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 sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: No component of this product present 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
Specific target organ toxicity -single exposure-: No data available
Aspiration hazard: No data available
Additional information: RTECS not available

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

N/A= Not applicable

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Section 13: Disposal Considerations**13.1 Waste treatment methods**

Product: Offer surplus and non-recyclable solutions to a licensed disposal company
Contaminated packaging: Dispose of as unused product

Section 14: Transportation Information**14.1 UN number**

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard classes

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

Section 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with requirements of Regulation (EC) No. 1907/2006

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information

Laboratory reagent. For research use only. Not for diagnostic or therapeutic use.
AURION makes no warranty of any kind regarding the information furnished herein. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the user's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.