



**AURION Immuno Gold Reagents**  
**Safety Data Sheet: GNP-04**

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## **Section 1: Product and Company Identification**

### **1.1 Product identifiers**

Product Name: Aurion Gold Nanoparticles  
Product Numbers: 406.xxx, 410.xxx, 415.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: 30 Aug 2019  
SDS number: GNP-04

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## **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

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## **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

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## **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

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**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

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**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

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**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

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**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



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## 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

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## 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

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## 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

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## 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

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## **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

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## **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 assesment**

For this product a chemical safety assessment was not carried out

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## **Section 16: Other Information**

Laboratory reagent. For research use only. Not for diagnostic or therapeutic use.

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