



**AURION Gold Nanoparticles**  
**Safety Data Sheet: GNP-05/3**

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

### **1.1 Product identifiers**

Product Name: Aurion Gold Nanoparticles  
Product Numbers: 300.011, 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

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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

## 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

### 11.2 Information on other hazards

This product does not contain any known or suspected endocrine disruptors

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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

N/A= Not applicable

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