

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

Date prepared: November 21, 2023 SDS number: GNP-05/3

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

No data avallable

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

11.2 Information on other hazards

This product does not contain any known or suspected endocrine disruptors

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

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 SDS GNP-05/3



12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

No data available

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				
14.2 UN prop	er shipping name			
ADR/RID: Not dangerous good		goods		
IMDG:	Not dangerous goods			
IATA:	Not dangerous goods			
14.3 Transpo	ort hazard classes			
ADR/RID: -		IMDG: -	IATA: -	
14.4 Packagiı	ng group			
ADR/RID: -		IMDG: -	IATA: -	
14.5 Environ	mental hazards			
ADR/RID: no		IMDG Marine pollutant: no	IATA: no	
	precautions for use	r		
No data availa	ble			

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 Commission Regulation (EU) 2020/878 amending Annex II to regulation (EC) No. 1907/2006

15.2 Chemical safety assesment

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.