

## SAFETY DATA SHEET

Version: 3.1  
Date Updated: August 2, 2021  
Date Printed: August 3, 2021 Time: 4:59:43 pm

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

**Product name:** AuroVist™-1.9 nm  
**Product Number:** 1102-40MGAu

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

##### Relevant identified uses

Laboratory chemicals

##### Uses advised against

Not for drug, household or other uses.

#### 1.3 Details of the supplier of the safety data sheet

**Company:** Nanoprobes  
**Address:** 95 Horseblock Road, Unit 1  
Yaphank, NY 11980  
United States  
**Technical Phone:** 877-447-6266, +1 (631) 205-9490  
**Fax:** +1 (631) 205-9493  
**Emergency Phone:** +1 (631) 205-9490  
**Web Site:** [www.nanoprobes.com](http://www.nanoprobes.com)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS Label elements

Not a hazardous substance or mixture.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance Name** 1.9 nm Gold Nanoparticles

<b>Ingredient Name</b>	<b>CAS #</b>	<b>EC #</b>	<b>Percent</b>
1.9 nm gold nanoparticles	Not Found	Not Found	N/A

No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

If inhaled, remove to fresh air. If not breathing give artificial respiration. Call a physician.

In case of skin contact, wash off with soap and plenty of water. In case of eye contact, flush eyes with water as a precaution.

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11, 4.3.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

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

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

No data available

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see section 8.

## **6.2 Environmental precautions**

Do not let product enter drains.

## **6.3 Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

## **6.4 Reference to other sections**

For disposal see section 13.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

User exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Technical measures and storage conditions**

Keep container tightly closed and store at -20°C. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

General industrial hygiene practice.

#### **Personal protective equipment**

##### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Use impervious clothing for Body Protection. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Control of environmental exposure**

Do not let product enter drains.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

- a) **Appearance:** black solid
- b) **Odor:** no odor detected
- c) **Odor Threshold:** no data available
- d) **pH =** no data available
- e) **Melting point/freezing point:** no data available
- f) **Initial boiling point and boiling range:** no data available
- g) **Flash point:** no data available
- h) **Evaporation rate:** no data available
- i) **Flammability:** no data available
- j) **Upper/lower flammability or explosive limits:** no data available
- k) **Vapor pressure:** no data available
- l) **Vapor density:** no data available
- m) **Relative density:** no data available
- n) **Water solubility:** yes
- o) **Partition coefficient:** no data available
- p) **Auto-ignition temperature:** no data available
- q) **Decomposition temperature:** no data available
- r) **Viscosity:** no data available
- s) **Explosive properties:** no data available
- t) **Oxidizing properties:** no data available

### **9.2 Other safety information**

no data available

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

Stable: Stable under recommended storage condition within specified expiration date

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

Avoid thiols and oxidizing agents

### **10.5 Incompatible materials**

Thiols and strong oxidizing agents

## 10.6 Hazardous decomposition products

In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity:** no data available

**Inhalation:** no data available

**Dermal:** 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**

**IARC:** 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.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Additional Information RTECS:** Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 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 and vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Other adverse effects

No data available

## 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.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### SARA 302 Components

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA Hazards

### Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right to Know Components

No components are subject to the Pennsylvania Right to Know Act.

### New Jersey Right to Know Components

No components are subject to the New Jersey Right to Know Act.

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION**

### **DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

### **WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Nanoprobes Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.