



95 Horse Block Road, Unit 1
Yaphank, NY 11980-9710

Updated: May 18, 2011

MATERIAL SAFETY DATA SHEET

Date Printed:

Version 1.1

Section 1 - Product and Company Information

Product Name AuroVist™ 1.9 nm Gold Nanoparticle X-ray Contrast Agent

Product Number 1102 & 1102A

Company Nanoprobes

Address 95 Horseblock Road, Unit 1, Yaphank, NY 11980, USA

Technical Phone: 877-447-6266

E-mail: tech@nanoprobes.com

Fax 631-205-9493

Emergency Phone 631-205-9490

Section 2 - Composition/Information on Ingredient

Substance Name 1.9 nm Gold Nanoparticle X-ray Contrast Agent

CAS # None

GOLD Mass Percent > 75%

SARA 313 No

Section 3 - Hazards Identification

HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

NFPA RATING

HEALTH HAZARD: 0

FLAMMABILITY: 0

REACTIVITY: 0

*For additional information on toxicity, please refer to Section 11.

Section 4 -First Aid Measures**ORAL EXPOSURE**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of skin contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice.

Section 5 -Fire Fighting Measures**FLASH POINT**

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures**METHODS FOR CLEANING UP**

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage**HANDLING**

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and

clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

Store at -20°C

Section 8 - Exposure Controls / Personal Protection**ENGINEERING CONTROLS**

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State: Black solid

Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
SG/Density	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Water Content	N/A	
Solvent Content	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	

Autoignition N/A
Temp
Refractive Index N/A
Optical Rotation N/A
Solubility Soluble in aqueous solutions, water
and alcohol mixture

N/A = not available

Section 10 -Stability and Reactivity

STABILITY

Stable: Stable for 12 months if it is stored as solid at -20 °C.
Materials to Avoid: Strong oxidizing agents and organic thiols

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Nature of decomposition products
not known.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 -Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and
upper respiratory tract. May be harmful if inhaled.

SIGNS AND SYMPTOMS OF EXPOSURE

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

TOXICITY DATA

Intravenous
Mouse
1400 mg/kg
LD50

Section 12 -Ecological Information

No data available.

Section 13 -Disposal Considerations**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 -Transport Information**DOT**

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information**UNITED STATES REGULATORY INFORMATION**

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 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.