

## SAFETY DATA SHEET

Version: 1.0  
Date Updated: October 10, 2024  
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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

**Product name:** 5 nm *Sulfo*-NHS-Nanogold®  
**Catalog Number:** 2225-5NMOL  
2225A-5X1NMOL  
2225S-1NMOL

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

##### Relevant identified uses

Laboratory chemicals

#### 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, including precautionary statements

Labeling according to Regulation (EC) No 1272/2008 [CLP/GHS]  
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**

5 nm Sulfo-NHS-Nanogold®

**Ingredient Name**

5 nm Sulfo-NHS-Nanogold®

**CAS #**

Not Found

**EC #****Quantity**

See package size

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If swallowed**

Wash out mouth with water provided person is conscious. Call a physician immediately.

**If inhaled**

Remove to fresh air. If not breathing give artificial respiration. Call a physician.

**In case of skin contact**

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**In case of eye contact**

Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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

no data available

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

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

#### 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 firefighting if necessary.

**5.4 Further information**

no data available

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not let product enter drains. Discharge into the environment must be avoided.

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

Soak up with inert absorbent material. 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**

Keep container closed. Recommended storage temperature: -20°C.

**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****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.

**Body Protection**

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of 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**

Form: solid

Color: dark red

**b) Odor** no data available

**c) Odor Threshold** no data available.

**d) pH:** 7.0

**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** not flammable.

**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) Solubility** Soluble in water.

**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 excessive agitation.

### **10.5 Incompatible materials**

Strong oxidizing agents, acids, thiols

### **10.6 Hazardous decomposition products In the event of fire**

See section 5.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Germ cell mutagenicity: no data available.

Carcinogenicity: no data available.

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.

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/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

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 materials are subject to 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.

### 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.

### 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.