

## **SPI Supplies Division**

**Structure Probe, Inc.**

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**Manufacturer's CAGE: 1P573**

## **Safety Data Sheet**

Date Effective: November 13, 2015

**SPI #04698-AB, 04699-AB, 04801-AB, 04802-AB, 04803-AB, 04804-AB, 04805-AB, 04806-AB, 04807-AB, 04810-AB, 04811-AB, 04815-AB, 04816-AB, 04818-AB, 04819-AB, 04820-AB, 04821-AB, 04822-AB, 04823-AB, 04824-AB, 04863-AB, 04901-AB, 04902-AB, 04903-AB, 04904-AB, 04905-AB, 04906-AB, 04907-AB SPI-Mark™ Unconjugated Colloidal Gold Probes**

### **Section 1: Identification**

Chemical Name/Synonyms.....**Unconjugated Colloidal Gold Probes**

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Product or Trade Name.....**SPI-Mark™ Unconjugated Colloidal Gold Probes**

CAS #'s.....7440-57-5

Chemical Formula..... Aqueous solution

### **HAZARDS CLASSIFICATION:**

#### **Classification of the Substance/Mixture:**

Not a hazardous substance or mixture.

#### **GHS Label Elements Including Precautionary Statements:**

Not a hazardous mixture.

**Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS - none**

Hazardous Material Information System USA

Health.....0

Fire Hazard.....0

Reactivity.....0  
Personal Protection.....

NFPA Rating (estimated)

Health.....0  
Flammability.....0  
Reactivity.....0

## Section 2: Hazard Identification

**Precautionary Statement:** Caution

**Eye:** May be eye irritant.

**Skin:** May cause skin irritation. Wash thoroughly with plenty of soap and water after use.

**Ingestion:** Not for human consumption. If ingested, seek medical attention.

**Inhalation:** If symptoms occur, remove to fresh air and seek medical attention.

**Chronic:** Not known.

## Section 3: Composition

| Component Name            | CAS#      | PER |
|---------------------------|-----------|-----|
| <b>CENT EINECS/ELINCS</b> |           |     |
| Colloidal Gold            | 1440-57-5 |     |
| <.01                      | 231-165-9 |     |
| Water                     | 7732-18-5 | >99 |
| 231-791-2                 |           |     |

## Section 4: First Aid Measures

**Eyes:** In case of eye contact, flush with plenty of water, lifting upper and lower lids from time to time, for at least 15 minutes. Seek medical attention.

**Skin:** In case of skin contact, flush with plenty of water for 15 minutes. Remove contaminated clothing and wash before re-use.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Seek medical attention.

**Inhalation:** Remove to fresh air. If breathing becomes difficult, seek medical attention.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5: Fire Fighting Measures

### General Information:

This product is noncombustible. Use extinguishing media appropriate to the surrounding fire conditions.

**Extinguishing Media:** Use extinguishing media appropriate to the surrounding fire conditions.

**Equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions/heated.

## Section 6: Accidental Release Measures

### General Information:

### Spills/Leaks:

Wear chemical resistant gloves and chemical safety goggles.

Absorb on sand or vermiculite and place in closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

## Section 7: Handling and Storage

**Handling:** Handle in accordance with good industrial hygiene and safety practices. The practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

**Storage:** Store under refrigeration. Do not freeze.

## Section 8: Exposure Controls and Personal Protection

### Personal Protective Equipment:

**Eyes:** Wear chemical safety goggles.

**Skin:** Wear compatible chemical resistant gloves.

**Clothing:** Will stain clothing; wear disposable/washable laboratory garments.

**Respirators:** Use NIOSH/MSHA approved respirator.

## Section 9: Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance:** pale straw to deep purple-red color  
**Odor:** n/a  
**pH:** varies from pH5 to pH10  
**Vapor Pressure:** n/a  
**Vapor Density:** n/a  
**Evaporation Rate:** n/a  
**Viscosity:** n/a  
**Boiling Point:** n/a  
**Freezing/Melting Point:** n/a  
**Autoignition Temperature:** n/a  
**Flash Point:** n/a  
**Decomposition Temperature:** n/a  
**Explosion Limits**  
    **Lower:** n/a  
    **Upper:** n/a  
**Solubility in water:** aqueous solution  
**Specific Gravity/Density:** n/a  
**Molecular Formula:** n/a  
**Molecular Weight:** n/a

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable  
**Conditions to Avoid:** Do not freeze.  
**Incompatibilities with other materials:**  
Contact with salts will cause precipitation of the colloid.  
**Hazardous Polymerization:** Will not occur.

## Section 11: Toxicological Information

RTECS Number: MD507000 (gold) CAS# 7440-57-5

May cause irritation. Exposure to gold compounds can cause contact dermatitis.

The toxicological properties of this product have not been thoroughly investigated.

## Section 12: Ecological Information

No data available.

## Section 13: Disposal Considerations

Contact a licensed waste disposal service to dispose of this material.

## Section 14: Transport Information

Non-hazardous from standpoint of shipping. Do not freeze.

**US DOT Hazard Class:** n/a

**IATA (for international shipments)** n/a

## Section 15: Regulatory Information

This product has not yet been fully tested.

### European:

This material has not been fully tested.

Safety phrases: S36 and S37  
(suitable protective clothing/gloves)

### Canada:

This material has not been fully tested.

### DSL/NDL:

CAS# 7440-57-5 is on the DSL list.

## Section 16: Other Information

### Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such

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