

SPI Supplies Division

Structure Probe, Inc.

P.O. Box 656 West Chester, PA 19381-0656 USA

Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755

spi3spi@2spi.com

http://www.2spi.com

Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: January 5, 2016

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...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

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 CENT	EINECS/ELINCS
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 reuse.

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/NDSL:

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 applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof, however SPI Supplies and Structure Probe, Inc. make no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation. Be aware of the Structure Probe, Inc. Copyright Policy. Structure Probe, Inc. grants a nonexclusive license to make unlimited copies of this safety sheet for internal use only. Quite obviously, this information would pertain only to this material when purchased from SPI Supplies as product from other sources, with other ingredients and impurity levels could have substantially different properties.