

# SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

NANO3D SYSTEMS LLC  
ADDRESS: 1110 NE Circle Blvd.,  
ATAMI/Bldg. 11, Corvallis, OR 97330  
<https://nano3dsystems.com>  
EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **Gold Electroplating Solution, Cyanide-Free**  
REVISED: April 2016  
CHEMICAL FAMILY: Gold Sulfite Solution  
Product Number: EP-EC10-TSG-250-01

## SECTION 2. HEALTH HAZARD INFORMATION

### GHS Classifications

H303: Acute toxicity Oral : Category 5  
H333: Acute toxicity Inhalation : Category 5  
H316: Skin corrosion / Skin irritation : Category 3  
H319: Serious eye damage / Eye irritation : Category 2A

### Pictograms or Hazard symbols



Warning: Causes eye irritation.

Warning: Causes mild skin irritation. May be harmful if swallowed, inhaled, or in contact with skin.

### Precautionary Statements

P264 Wash thoroughly after handling.  
P280 Wear protective gloves, clothing, and eye and face protection.  
P304 + P312 If inhaled, call a physician if you feel unwell.  
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.  
P332 + P313 If skin irritation occurs, get medical advice/attention.  
P337 + P313 If eye irritation persists, get medical advice/attention.

## SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %	Toxicity
Sodium Gold Sulfite	CAS# 19153-98-1	1-5	
Sodium Sulfite	CAS# 7757-83-7	1-5	
Water	CAS# 7732-18-5	> 90	
Total		100	

## SECTION 4. FIRST AID MEASURES

## EFFECTS OF OVEREXPOSURE

### FIRST AID:

**EYES:** Immediately flush with large quantities of water for at least 15 minutes and call a physician.

**SKIN:** Flush with large amounts of water for at least 15 minutes. Wash with soap and water. Remove contaminated clothing.

**INGESTION:** If conscious, immediately give 2-4 glasses of water or milk and induce vomiting. Seek immediate medical attention by physician.

**INHALATION:** Remove victim to fresh air. Seek medical attention.

**Caution:** If unconscious - having trouble breathing - or in convulsions do not induce vomiting or give water. Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

Overexposure to mist can cause tissue damage, especially to eyes and lungs.

## SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
non-flammable	NA		NA	NA

**Extinguishing media:** Water spray or fog, carbon dioxide and dry chemical.

**Special fire fighting procedures:** None

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**SPILLS, LEAKS:** Ventilate area of leak or spill. Dike and cover the contaminated areas with absorbent, non-combustible material such as earth, sand, or vermiculite.

## SECTION 7. HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Do not breathe mist or vapor. Do not expose eyes, skin, or clothing. Keep container closed tightly. Use with adequate ventilation or respiratory protection. Do not store near combustibles or in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible substances. Separate from strong acids.

## SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Respiratory protection:** None required.

**Ventilation:** Where adequate ventilation is not available, use NIOSH approved vapor respirator with dust, fume and mist filters. Local ventilation through fume hoods or laminar flow stations is also preferred. Keep fumes away from strong bases.

**Protective gloves:** Skin contact should be minimized through use of rubber gloves.

Other protective equipment: Steel tipped shoes/eye wash station/chemical safety chemical retardant clothing.

Eye protection: Safety goggles / face shield

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form :</b>	Liquid
<b>Appearance :</b>	Colorless to light yellow
<b>Odor :</b>	None
<b>pH :</b>	6.9-7.3



## **SECTION 14. TRANSPORTATION INFORMATION**

Non-hazardous/non-regulated.

## **SECTION 15. REGULATORY**

Symbol: C, Corrosive

R-Phrase:

R21/22: Harmful in contact with skin and if swallowed.

S-Phrases:

S17: Keep away from combustible material.

## **SECTION 16. OTHER INFORMATION**

NFPA Codes:

Health: 1

Flammability: 0

Reactivity: 0

All ingredients of this product are listed on the US TSCA inventory under their parent anhydrous compounds.