



MATERIAL SAFETY DATA SHEET

MSDS No: SM0086
Effective Date: April 22, 2015

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Colloidal Gold - 25 ppm		CHEMTREC 800-424-9300 Day 585-226-6177	Health	0
Chemical Synonyms	Colloidal Gold			Fire	0
Formula	Au			Reactivity	0
Unit Size	Up to 25 milligrams / liter			HMIS*	
C.A.S. No.	7440-57-5	NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	Mg/L	TLV Units
Gold	25	See Section V.
Water		

WARNING! DO NOT TAKE IF ALLERGIC TO GOLD

SECTION III PHYSICAL DATA

Melting Point (°F)	Already Liquid	Specific Gravity (H₂O = 1)	1
Boiling Point (°F)	212	Percent Volatile by Volume (%)	Not Volatile
Vapor Pressure (mm Hg)	17.5 @ 20 °C	Evaporation Rate (Butyl acetate = 1)	N/A
Vapor Density (Air = 1)	N/A		
Solubility in Water	Soluble		
Appearance & Odor	Clear Ruby Red to Purple, Odorless		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible	Flammable Limits in Air % by Volume	N/A
Extinguisher Media	Any	LEL: N/A	UEL: N/A

SPECIAL FIREFIGHTING PROCEDURES

NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS

FIRE: Not a fire hazard.
EXPLOSION: Not an explosion hazard.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

Threshold Limit Value
N/A ... this is a liquid

Effects of Overexposure
Low toxicity, but acute or chronic overexposure could result in heavy metal poisoning

Emergency and First Aid Procedures
INGESTION: If above the recommended dose, call a physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention if irritation persists. **SKIN:** None needed. **INHALATION:** Treat as if water was inhaled.

SECTION VI REACTIVITY DATA

Stability Unstable
Stable X
Conditions to Avoid None
Incompatibility (Materials to Avoid) None; gold is unreactive

Hazardous Decomposition Products No Hazardous Decomposition

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
None Known	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Spillage should be absorbed or mopped up and retained for the recovery of 99.99+% pure gold. Wash spill are with soap and water.

Waste Disposal Method
Send to refiners for recovery of gold. Dispose of in an approved chemical landfill or contract with a licensed waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection	None required
Ventilation	Local Exhaust N/A Special None required Mechanical N/A Other None required
Protective Gloves	None required
Other Protective Equipment	None required
Eye Protection	None required

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Keep container tightly closed when not in use. Store in a cool, dry, sanitary place. Do not allow to freeze as freezing, though harmless, will destroy colloidal suspension.
Keep container closed tightly when not in use.

Other Precautions
Read label on container before using. Don not wear contact lenses when working with chemicals. Keep out of reach from children. Do not take more than recommended on label. Stop consuming immediately if any adverse side effects or reactions are suspected.

Revision No. 1 Date: 04/22/2015 Approved: Cherie Miller Chemical Safety Coordinator CNM

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards.