

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT INFORMATION

Product Identifier:	Gold Bromide Ketamine Reagent A&B
Product Use:	Colorimetric testing
Supplier:	Syntharise Chemical Inc.
Emergency Contact:	3E Company
Emergency Telephone:	1-(800)360-3220

SECTION 2 — HAZARDOUS INGREDIENTS

Hazardous Ingredients	%	CAS Number	LD50 of Ingredient	LC50 of Ingredient
Bottle A				
Gold (III) Bromide	0.5%	10294-28-7	Not Available	Not Available
Distilled Water	99.5%	7732-18-5	Rat, oral >90000mg/kg	
Bottle B				
Sodium Hydroxide	0.8%	1310-73-2	Oral, LD50, Acute, Rat, 140-340 mg/kg;Dermal, LD50: Acute, Rabbit, 1350 mg/kg; Intraperitoneal, LD50 , Mouse, 40 mg/kg	Not Available
Distilled Water	99.2%	7732-18-5	Rat, oral >90000mg/kg	

SECTION 3 — PHYSICAL DATA

Physical State :	Liquid
Odour & Appearance :	Bottle A: red liquid Bottle B: clear liquid
Odour Threshold (ppm):	Not Available
Specific Gravity:	Not Available
Vapour Density (air = 1) :	Not Available
Vapour Pressure (mmHg) :	Not Available
Evaporation Rate:	Not Available
Boiling Point (°C) :	Not Available
Freezing Point (°C):	Not Available
pH	Not Available

SECTION 4 — FIRE AND EXPLOSION DATA

Means of Extinction:	Not Flammable.
Flashpoint (°C) and Method :	N/A
Upper Flammable Limit (% by volume) :	N/A
Lower Flammable Limit (% by volume):	N/A
Autoignition Temperature (°C):	N/A
Explosion Data — Sensitivity to Impact:	No
Explosion Data — Sensitivity to Static Discharge:	No
Hazardous Combustion Products:	Self-contained breathing apparatus is required for fire-fighting purposes. Metal oxide fumes, hydrogen bromide

SECTION 5 — REACTIVITY DATA

Chemically Stable	Yes, both bottles A & B
Incompatibility:	Strong oxidizing agents,
Conditions to be avoided:	Heat and direct sunlight
Hazardous Decomposition Products:	Under fire conditions; Metal oxide fumes, hydrogen bromide

SECTION 6 — TOXICOLOGICAL PROPERTIES

Routes of Exposure:	Inhalation, ingestion, skin & eyes
Acute Exposure:	Harmful in contact with skin, toxic if swallowed. Sodium Hydroxide; Oral, LD50, Acute, Rat, 140-340 mg/kg;Dermal, LD50: Acute, Rabbit, 1350 mg/kg;

	Intraperitoneal, LD50, Mouse, 40 mg/kg
Chronic Exposure:	Not available
Exposure Limits: (value, source, date)	Sodium Hydroxide: ACGIH C 2mg/m3, NIOSH 10mg/m3, OSHA 2mg/m3
Irritancy:	May cause irritation.
Sensitization:	Not Available
Carcinogenicity:	Not Available
Reproductive Toxicity:	Not Available
Teratogenicity:	Not Available
Mutagenicity :	Not Available
Synergistic Products:	Not Available

SECTION 7 — PREVENTIVE MEASURES

Personal Protective Equipment:	Respiratory protection when high concentrations are present, Chemical resistant gloves, chemical safety goggles and lab coat/protective work clothing.
Handling:	Avoid inhalation and contact with skin, eyes and clothing. Always wear protective gloves while working with product. Safety glasses are required to prevent potential eye contact, irritation or injury. Wear appropriate protective clothing and boots as required to prevent skin contact. For field use, a rubber apron may be worn as additional protection. Use good industrial hygiene. Work carefully with the reagent and always wear protective equipment.
Leak and Spill Procedure:	Avoid breathing vapours. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Absorb with liquid binding material (sand, diatomite, universal binders)
Waste Disposal:	Dispose of according to local and regional authority requirements. Prevent from entering sewers or waterways.
Engineering Controls:	If user operations generate vapour or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Storage Requirements:	Protect from light and heat.
Special Shipping Information:	UN#3316 - Chemical Kit, Class 9, Packing Group II

SECTION 8 — FIRST AID MEASURES

Inhalation:	Place victim in well-ventilated area. If victim is not breathing, perform artificial respiration. Seek immediate medical attention.
Ingestion:	Do not induce vomiting. Seek immediate medical help.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly. Seek medical advice.
Eye Contact:	Rinse opened eye(s) for several minutes under running water. Then consult a doctor.

SECTION 9 — PREPARATION INFORMATION

Prepared by:	Syntharise Chemical Inc.
Telephone Number:	1(647)766-1657
Preparation Date:	May 26 th , 2015

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.