MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Accent Gold for Silver™			[WHMIS Classification] See Section 2
Product Use For applying 24 k gold embellishments (accents) to jewelry articles			
Manufacturer's Name Jewelry Material Innovations, Inc.		Supplier's Name Jewelry Material Innovations, Inc.	
Street Address 2809 E. Maplewood St.		Street Address 2809 E. Maplewood St.	
City Gilbert	State Arizona	City Gilbert	State AZ
Postal Code 85297	Emergency Telephone (480) 327-8916	Postal Code 85297	Emergency Telephone (480) 327-8916
Date MSDS Prepared April 16, 2015	MSDS Prepared By Ronald B. Diegle	Phone Number (480) 327-8916	

SECTION 2 — HAZARDS IDENTIFICATION

Route of entry

x Skin Contact ❒ Skin Absorption x Eye Contact x Inhalation x Ingestion

[Emergency Overview]

WHMIS Symbols]

Gold is generally considered to be inert and non-toxic in solid form. Not controlled under WHMIS.

Potential Health Effects

Product is sold as a powder and is generally considered non-hazardous.

Inhalation: May cause irritation of the respiratory tract.

Eye contact: Will cause eye irritation.

Skin contact: May cause skin irritation after prolonged contact. Dermatitis may result from chronic exposure.

Ingestion: Generally non-toxic

The non-hazardous component is used as additives in the pharmaceutical and food industries. See below for possible allergic reactions.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients *(specific)*	%	CAS Number	LD_{50} of Ingredient *(specify species and route*	LC_{50} of Ingredient *(specify species)*
Gold powder	90-95%	7440-22-5	Oral LD_{50} (rat): >5000 mg/kg	Not available
Non-hazardous, proprietary component	<5%		NA	NA
The non-hazardous component is generally recognized as safe (GRAS) for addition to food and pharmaceuticals by the US FDA.				

SECTION 4 — FIRST AID MEASURES

Generally not hazardous in normal handling. Good cleanliness practices should always be used. Wear gloves if contacting the powder. Avoid contact with eyes, inhalation and ingestion of powder, and long-term exposure to skin. Good laboratory procedures should always be used.

Skin Contact

Wash exposed area with soap and water. If irritation persists seek medical attention.

Eye Contact

Flush with plenty of water for at least 15 minutes, lifting lids occasionally. Seek immediate medical attention to ensure complete removal of powder particles.

Inhalation

Inhalation of dust may cause irritation of mucous membranes and respiratory tract. Remove to fresh air. Seek medical attention if symptoms persist after ceasing to inhale dust particles.

Ingestion

Obtain medical assistance at once.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable ❒ Yes X No	If yes, under which conditions?	
Means of Extinction Not applicable		
Flashpoint (° C) and Method Not flammable	Upper Flammable Limit (% by volume) Unknown	Lower Flammable Limit (% by volume) Unknown
Auto-ignition Temperature (°C) Will not auto-ignite in air.	Explosion Data — Sensitivity to Impact Not sensitive	Explosion Data — Sensitivity to Static Discharge Not sensitive
Hazardous Combustion Products Some metallic oxides and chlorides		
[NFPA] Scale = 0-4: HEALTH=1 FIRE=0 REACTIVITY = 0		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

Collect the powder without creating dust. Either return it to the container for reuse or dispose of it according to all applicable local, state, and federal regulatory guidelines. Clean area with soap and water.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment

Use gloves when handling the powder to avoid prolonged skin contact. Wash hands if they contact the powder, and avoid eye contact at all times with the powder. Avoid inhaling powder particles. Avoid eating, drinking, and smoking when handling the powder.

Storage Requirements

Store in glass or plastic air-tight container. Preferably, store in original container.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits X ACGIH TLV
Not applicable

X OSHA PEL
Not Applicable

❒ Other *(specify)*

Specific Engineering Controls *(such as ventilation, enclosed process)*
Exhaust ventilation is not required unless dust is created

Eye protection: If dust will be generated, wear protective goggles. Avoid generating dust.

Personal Protective Equipment X Gloves ❒ Respirator X Eye ❒ Footwear ❒ Clothing ❒ Other

If checked, please specify type
Gloves: Nitrile, latex or similar
Eyes: Protective goggles with side shields

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder	Odor and Appearance Light brown. No odor.	Odor Threshold (ppm) Unknown
Specific Gravity (H2O=1) <4	Vapor Density (air = 1) Unknown	Vapor Pressure (mmHg) Unknown
Evaporation Rate Unknown	Boiling Point (° C) Unknown	Freezing Point (° C) Solid at room temperature
pH Not applicable when dry. Nearly pH 7 when wet.	Coefficient of Water/Oil Distribution Unknown	[Solubility in Water] Metal powders are insoluble, zinc ammonium chloride is soluble, non-hazardous components are soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability X Yes This is a stable material	If no, under which conditions?
Incompatibility with Other Substances X Yes	If yes, which ones? Strong oxidizers, acids, ammonia, acetylene

Reactivity, and under what conditions?

Reacts adversely with substances listed in “Incompatibility with Other Substances” section. Non-reactive in air and water. Does not burn when heated in air.

Hazardous Decomposition Products None

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Powder particles will cause irritation of eyes. Inhalation of powder particles may cause irritation of mucous membranes in the nose and respiratory tract.

Ingestion: Generally non-toxic.

Effects of chronic exposure

Unknown

Irritancy of Product

Unknown

Skin sensitization Prolonged exposure may cause skin irritation	Respiratory sensitization Inhalation may cause irritation of the respiratory tract
Carcinogenicity-IARC Unknown	Carcinogenicity - ACGIH Unknown
Reproductive toxicity Unknown	Teratogenicity Unknown
Embrotoxicity Unknown	Mutagenicity Unknown

Name of synergistic products/effects

None suspected

SECTION 12 — ECOLOGICAL INFORMATION

[WHMIS Classification]	[OSHA]
Not controlled under WHMIS	Unknown
[SERA] Unknown	[TSCA] Unknown

[Aquatic Toxicity] Ecotoxicity: This product is considered to be inert and non-toxic.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of according to local, state, and Federal regulations.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

Non-hazardous for air, sea, and road freight.

TDG	PIN
[IMO]	[DOT] Hazard class: none

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]	[OSHA]
D2B, B4	
[SERA]	[TSCA]

SECTION 16 — OTHER INFORMATION

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