

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Accent Silver™		[WHMIS Classification] D1B, D2B, E	
Product Use For applying silver-colored embellishment (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 <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview]
WHMIS Symbols D1B, D2B, E
Potential Health Effects Inhalation: Will cause irritation of the respiratory tract. Symptoms may include a burning sensation and coughing. Eye contact: Will cause eye irritation. Skin contact: May cause skin irritation after prolonged contact. Dermatitis and/or redness may result from chronic exposure. Ingestion: Low dose: no information is available. Large dose: possible vomiting and nausea Refer to other sections of this MSDS for more detailed information.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Silver powder	70-90%	7440-22-4	Oral LD ₅₀ (rat): >5000 mg/kg	Not available
Tin Powder	10-30%	7440-31-5	Non-toxic (LD ₅₀ >2 g/Kg)	Not available
Zinc ammonium Chloride	<10%	14639-97-5	Oral LD ₅₀ (rat): 350 mg/kg (for zinc chloride)	Not available
Binder, proprietary	<5%			

The proprietary binder is considered non-hazardous and 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. Severe irritant to eyes, irritant if inhaled, avoid ingestion of powder and long-term exposure to skin.



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. Seek medical attention if symptoms persist after ceasing to inhale dust particles.

Ingestion

Give 2-3 glasses of milk or water. Vomiting may occur spontaneously but it is not necessary to induce. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder	Odor and Appearance Black or dark gray powder. No odor.	Odor Threshold (ppm) Unknown
Specific Gravity (H ₂ O=1) <4	Vapour Density (air = 1) Unknown	Vapour Pressure (mmHg) Unknown
Evaporation Rate Unknown	Boiling Point (° C) Unknown	Freezing Point (° C) Solid at room temperature
pH Not applicable when dry. Mildly acidic when wet.	Coefficient of Water/Oil Distribution Unknown	[Solubility in Water] Metal powders are insoluble, zinc ammonium chloride is soluble, binder is soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability X Yes	If no, under which conditions?
Incompatibility with Other Substances X Yes	If yes, which ones? Strong oxidizers, acids, bases, acetylene, ammonia, hydrogen peroxide, carbon tetrachloride
Reactivity, and under what conditions? Reacts adversely with substances 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: Hazardous	
Effects of chronic exposure Very prolonged or often-repeated contact with silver powder may cause argyria, a blue-gray discoloration of the eyes, skin, or other body tissue. Argyria is unlikely to occur during normal use. Dermatitis may result from chronic exposure.	
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
Embrototoxicity Unknown	Mutagenicity Unknown
Name of synergistic products/effects None suspected	

SECTION 12 — ECOLOGICAL INFORMATION

[WHMIS Classification] D1B, D2B, E	[OSHA] Unknown
[SERA] Unknown	[TSCA] Unknown
[Aquatic Toxicity] Ecotoxicity: This product may be hazardous to the environment. Special attention should be given to aquatic organisms.	

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal Dispose of according to local, state, and Federal regulations.
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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] D1B, D2B	[OSHA]
[SERA]	[TSCA]

SECTION 16 — OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Jewelry Material Innovations, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Jewelry Material Innovations, Inc. has been advised of the possibility of such damages.