Material Safety Data Sheet

1. **Identification of the product:**
   Products :- Amalgam Capsules

2. Hazard(s) Identification

N/A - Not Applicable 3. Composition/Information on Ingredients

Hazardous Components	Exposure Limits	%
Silver	0.1 mg/M3	48
Tin	2 mg/M3	30
Copper	1 mg/M3	22

Mercury is a chemical known to the State of California to cause birth defects or other reproductive harm. This applies when the capsule has been triturated.

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush eyes with copious amounts of water for 15 minutes. Seek medical attention if irritation or discomfort persists.	Not Applicable	Not Applicable
Skin	Wash thoroughly with soap and water.	Not Applicable	Not Applicable
Inhalation	Gently blow nose and irrigate with clean water. Consult physician if irritation persists.	Not Applicable	Not Applicable
Ingestion	If swallowed consult physician.	Not Applicable	Ingestion of alloy may cause GI tract irritation, nausea or diarrhea. TOXICITY: LD50 >5000mg/kg. Low order of toxicity is expected if material is ingested.
Other:	Not Applicable	Not Applicable	Not Applicable

Note to Physicians (Treating, Testing and Monitoring): The concentration of Mercury in whole blood is a reasonable measure of the body-burden of mercury and thus is used for monitoring purposes. Treat symptomatically and supportively. Persons with kidney disease, chronic respiratory disease, liver disease, or skin disease may be at increased risk from exposure to this substance.

5. Fire and Explosion Data Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable. Product will not autoignite.	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: Use dry powder extinguishing media.	Extinguishing Media to Avoid: Water with full jet.		

Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.

Unusual Fire and Explosion Hazards: Large quantities of metal powder in air may cause a fire or explosion hazard due to dusting. Molten metal can ignite combustibles In common with most powdered materials; this product should be treated as a combustible dust in the finely divided and suspended state. No dangerous decomposition products known. In large quantities product may present an explosion hazard due to dusting

6. Accidental Release Measures

Containment Techniques: Material is a grey metallic dry powder. Store only in the original package. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort

Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container.
Avoid gross skin contact to minimize the possibility of drying out the skin. Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

7. Handling and Storage
Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a cool dry area. Store away from food and beverages. Minimize dust generation and accumulation. Avoid breathing dust and contact with eyes. Observe normal warehouse handling procedures. The avoidance of any air contaminant is always a recommended practice.

8. Exposure Control / Personal Protection Ventilation: Ensure adequate ventilation, by either natural or mechanical means to keep exposure levels below PEL.

Other Engineering Controls: Not Applicable

Routes of Entry	Personal Protective Equipment (PPE) for Normal Use	PPE for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable, resistant to the product and prevent skin exposure.	Not Applicable
Inhalation	Use sufficient natural or mechanical ventilation to keep vapor exposure level below PEL.	Not Applicable
Body Protection	Protective work clothing such as lab coat to prevent skin exposure.	Not Applicable

General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable
Other Protective Measures and Equipment: Not Applicable

9. Physical and Chemical Characteristics
Appearance: Grey colored, dry metallic powder.
Odor: None
Normal Physical State: Metallic powder.
Melting Point: Approximately 970 C (1778 F)
Specific Gravity: 8.2 g/cm3
Solubility in Water: Not soluble
pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable
Vapor Density (AIR=1) Not Applicable
Evaporation Rate (Butyl Acetate =1) Not Applicable
Other: Not Applicable

10. Stability and Reactivity Data
Incompatibility (Materials to Avoid): Strong mineral acids, hydrogen peroxide, acetylene, and ethylenimine.
Hazardous Products Produced During Decomposition: None.
Hazardous Polymerization: May Occur May Not Occur
Conditions to Avoid: None known
Stability? Stable Unstable
Conditions to Avoid: None known

11.Toxicological Information
Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data:
Product not considered hazardous. TOXICITY: LD50 >5000mg/kg.

12.Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements:
Mercury is Toxic and Dangerous for the Environment. Do not allow Mercury to be released into streams or waterways

13.Disposal Considerations
Regulations: The product or individual components may be salvaged or reclaimed for reuse. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations. Pick up powder by carefully sweeping, vacuuming or wet mopping spilled material into an acceptable closed waste container. Avoid generating airborne dust.
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

14.Transport Information		
Regulated for Shipping: Yes	DOT Shipping Name: **Mercury** *contained in manufactured articles*	

15.Regulatory Information
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16.Other Information
To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

Q.C.Incharge