

30521-1015
30522-1118

1/2

MATERIAL SAFETY DATA SHEET

Name of product		Pure Silver Precious Metal Clay Paste type			
SECTION 1					
Manufacturer's Name					
MITSUBISHI MATERIALS CORPORATION PRECIOUS METALS DIVISION AMUSEMENT PRODUCTS GROUP					
Address			Information		
7F Shin Tokyo BLDG. 3-3-1, Marunouchi, Chiyoda-ku, Tokyo 100-8338, JAPAN			TEL	81-3-5252-5430	
			FAX	81-3-5252-5442	
			Data prepared Aug.25,2008		
SECTION 2 Ingredient/Exposure Limit Information					
Chemical Components	CAS No.	TLV	PEL	REL	%
Silver Powder	7740-22-4	0.1mg/m ³ (m) 0.01mg/m ³ (s)	0.01mg/m ³	0.01mg/m ³ (m. s. Ag. hr)	≥ 80
Organic Binder	Unknown	N.E.	N.E.	N.E.	< 20
Water	7732-18-5	N.E.	N.E.	N.E.	< 20
m=mist,s=Soluble compounds of silver,Ag=As silver,hr=10hr TWA,N.E.=None Established(Exposure Limit)					
SECTION 3 - Physical/Chemical Characteristics					
Boiling point(Solvent)	4014° F (2212°C)	Specific Gravity(H ₂ O=1)		10.5 (as silver metal)	
Vapor Pressure(mmHg)	NA	Melting Point(°C)		1763° F (962°C)	
Vapor Density(AIR=1)	NA	Evaporation Rate		NA	
Solubility in Water	Insoluble				
Appearance and Odor	Light gray solid Odorless				
SECTION 4 - Fire and Explosion Hazard Data					
Flash point	NA	Flammable Limits		LEL	UEL
Auto Ignition Temperature	NA			Unkown	Unkown
Extinguishing Media	Dry powder or water				
Special Fire Fighting procedures					
Use self-contained breathing apparatus and full protective clothing for fires in enclosed areas.					
Unusual Fire and explosion Hazards					
None Known					
SECTION 5 -Reactivity Data					
Stability	Stable	Conditons to avoid None Known			
Incompatibility	Strong oxidizing materials,acids				
Hazardous Decomposition or Byproducts	None Known				
Hazardous Polrmerization	Will-Not Occur	Conditions to avoid		None Known	

2/2

SECTION 6 - Health Hazard Data

Route of Entry: Inhalation, Ingestion, skin and eye contact

Signs and Symptoms of Exposure

May irritate eyes, skin, and respiratory tract. Other symptoms may include blue grey discoloration of eyes, skin and mucous membranes.

Chronic Signs and Symptoms of Overexposure:

Exposure to fume or dust may cause accumulation of silver in the body causing a blue-grey discoloration of eyes, skin, and mucous membranes.

First Aid Procedures

Eye Contact: Flush eyes with plenty of water. If irritation develops and persists or if injury has occurred, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Restore breathing if necessary. Seek medical attention immediately.

Ingestion: Rinse mouth thoroughly with water. Seek medical attention immediately.

SECTION 7 - Precautions for safe Handling and Use

Steps to be taken in case material is released or spilled.

Use wet sweeping or vacuuming. Avoid dust generation.

Waste disposal method

Contact supplier or a licensed chemical waste disposal contractor for treatment, packaging, and disposal requirements.

Precautions to be taken in handling and storing

Paste hardens if exposed to the air for any length of time. Keep tightly wrapped at normal temperature.

SECTION 8 - Control Measures**Respiratory protection**

A NIOSH approved dust/fume respirator should be worn where applicable limits may be exceeded.

Ventilation: Local ventilation is preferred to meet TLV requirements. General ventilation is acceptable, if exposure is maintained below TLV.

Protective gloves

Use plastic or rubber gloves and aprons where necessary to avoid skin contact.

Eye protection

Safety glasses or goggles should be worn in area where splashing may occur.

Other protective clothing or equipment

None Known

Work/Hygienic practices

Eyewash station and safety shower should be available in areas of use. Wash thoroughly after handling product.

The information herein is given in good faith, but no warranty, express or implied, is made.