

**30521-1007 -1016 -1025 -1040**  
**30522-1006 -1018 -1028 -1045**  
**30523-1020**

## MATERIAL SAFETY DATA SHEET

Name of product					
Pure Silver Precious Metal Clay (PMC) and PMC+,PMC3					
<b>SECTION 1</b>					
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					
<b>SECTION 2 - Ingredient/Exposure Limit Information</b>					
Chemical Components	CAS No.	TLV	PEL	REL	%
Silver Powder	7740-22-4	0.1mg/m <sup>3</sup> (m) 0.01mg/m <sup>3</sup> (s)	0.01mg/m <sup>3</sup>	0.01mg/m <sup>3</sup> (m. s. Ag. hr)	≥76
Organic Binder	Unknown	N.E.	N.E.	N.E.	<24
Water	7732-18-5	N.E.	N.E.	N.E.	<24
m=mist,s=Soluble compounds of silver,Ag=As silver,hr=10hr TWA,N.E.=None Established(Exposure Limit)					
<b>SECTION 3 - Physical/Chemical Characteristics</b>					
Boiling point(Solvent)	4014° F (2212°C)	Specific Gravity(H <sub>2</sub> 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				
<b>SECTION 4 - Fire and Explosion Hazard Data</b>					
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					
<b>SECTION 5 - Reactivity Data</b>					
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

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**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**

Clay 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.**