

Product distributed by Rio Grande
Rio Stk#: 100-880, 100-882, 100-884,
100-886, 100-990, 100-994, 100-995

Chemtel: emergency# 1-800-255-3924
Material Safety Data Sheet

SECTION I PRODUCT/SUPPLIER INFORMATION

Product: Pure Silver Precious Metal Clay (PMC) and PMC+,
PMC and PMC+ Starter Kit

FLAMMABILITY: 0 **HEALTH:** 2 **REACTIVITY:** 1

SECTION II INGREDIENT/EXPOSURE LIMIT INFORMATION

Chemical Component	%	CAS No.	TLV	PEL	REL
Silver Powder	80	7740-22-4	0.1 mg/m ³ (m) 0.01mg/m ³ (s)	0.01mg/m ³ (m,s)	0.01mg/m ³ (m,s,Ag,hr)
Organic Binder	<20	UNKNOWN	N.E.	N.E.	N.E.
Water	<20	7732-18-5	N.E.	N.E.	N.E.

m=mist, s=Soluble compounds of silver, Ag=As Silver, hr=10hr TWA, N.E.=None Established (Exposure Limit)

SECTION III PHYSICAL PROPERTIES

Vapor Pressure (mm Hg):	Not Available	Specific Gravity:	Not Available
Vapor Density (Air = 1):	10.5 (as silver metal)	Boiling Point:	4014°F (2212°C)
Solubility in Water:	Insoluble	Evaporation Rate:	Not Available
Appearance:	Light gray solid	Volatility (%):	Not Available
Odor:	Odorless	pH:	Not Available
Melting Point:	1763°F (962°C)		

SECTION IV FIRE AND EXPLOSION DATA

Flash Point:	Not Available	Flammable Limits:	LEL:	Unknown
Auto Ignition Temperature:	Not Available		UEL:	Unknown

EXTINGUISHING MEDIA: Dry powder. DO NOT USE WATER!

Special Fire Fighting Procedures: Fire fighters should wear full turnout gear and pressure-demand self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: None Known

SECTION V REACTIVITY DATA

Stable? Yes **Conditions to Avoid:** None Known

Incompatibility (Materials to Avoid): Acetylene, ammonia, nitric acid, ethyl alcohol

Hazardous Decomposition Products: Oxides of silver

Hazardous polymerization may occur? No **Conditions to Avoid:** None Known

SECTION VI HEALTH HAZARD DATA

Primary Routes of Exposure: Inhalation, ingestion, skin and eye contact

Acute signs and Symptoms of Overexposure: 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 (argyria) causing a blue-grey discoloration of eyes, skin, and mucous membranes.

SECTION VI HEALTH HAZARD DATA (continued)

Carcinogenicity?	No	NTP	IARC	ACGIH	OSHA	PROP65
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No ingredients listed in this section

Conditions That May Increase Overexposure Potential:The extent of exposure to this product will depend largely on the intensity and duration of product use. Employers who supply this product for use by their employees must determine the conditions under which overexposure can result.

Medical Conditions Generally Aggravated by Exposure:Respiratory disease, pre-existing skin condition

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 VII PRECAUTIONS FOR SAFE HANDLING AND USE

Actions to Take for Spills: Use wet sweeping or vacuuming. Avoid dust generation.

Waste Disposal: Reclaim if possible. Dispose of via a licensed firm in accordance with federal, state and local regulations (see EPA 40 CFR 261).

Precautions to be Taken in Handling and Storage:Clay hardens if exposed to the air for any length of time. Keep tightly wrapped at normal temperature.

Community Right-to-Know Requirements: SARA 302: Silver, RQ=1000lbs (see 40 CFR 355). SARA 313: Annual release reporting requirements for Silver (see 40 CFR 372.65).

SECTION VIII EMPLOYEE PROTECTION MEASURES

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

Respiratory Protection: When airborne concentrations exceed TLV or are unknown, use a NIOSH/MSHA approved respiratory for metal fume or dust in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

Eye Protection: Safety glasses or goggles

Protective Gloves: Wear gloves appropriate for task.

Other Protective Equipment: None Known

Work/Hygiene Practices: Eyewash station and safety shower should be available in areas of use. Wash thoroughly after handling product.

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