

Metal Clay Powder - Materials Safety Handling Data

1 - Product Identification

Product Name: MCP SILVER999

Alternate Names: MCP, Metal Clay Powder Fine Silver, Silver Clay Powder

Reportable Quantities: 10, 50 grams

Supplier: Lessit Komet Chemi; www.silvernitrate.org 1(318)480-0084

Distributed by: Thesetmaster Fulfillment LLC, P.O.Box 437128, Chicago IL 60643

2 – Composition

Product Nature: dry mixture

Chemical Nature: Silver (Ag) and dry organic binder

CAS #: Silver: 7440-22-4

3 - Hazards

Health Rating: 1-low, May irritate skin and mucous membrane. Irritation of upper respiratory system especially if either dry powders are inhaled.

Flammability Rating: 1 - low

Reactivity Rating: 0 - Normally stable, even under fire exposure conditions, reactive with water.

4 - First Aid Measures

Inhalation: By nose: blow nose and rinse with water. By mouth, cough and rinse mouth with water. Seek fresh air. Call a physician if cough symptoms persist.

Ingestion: If swallowed, Do not induce vomiting. Rinse mouth with plenty of water. Give a quantity of milk or water. Get medical attention if the quantity ingested is more than a gram of silver powder.

Skin Contact: Wash hands and other areas well with soap and water.

Eye Contact: Flush eyes with plenty of water. If irritation persists seek medical attention.

5 - Fire Fighting Measures

Fire: Use a extinguishing agent suitable for surrounding fires.

Heating: Wear SCBA (self-contained breathing apparatus) and protective gear as decomposition products are toxic and corrosive.

Explosion: rapid heating may vaporize the binder thus increasing pressures in confined area.

6 - Accidental Release Measures

Wear protective equipment. Including latex gloves when mixing, dust mask and eye protection. Work area surfaces can be cleaned with a wet towel.

Special Note: Recycle waste and unused portions. Avoid releasing into septic system.

7 - Handling and Storage

Wear protective eye gear, latex gloves, goggles when necessary. Wear apron to protect clothing.

Store in a cool and dark area.

8 - Exposure Limits; Airborne

OSHA Permissible Exposure Limit (PEL): 0.01 mg/m³ (TWA) as silver metal dust

Install ventilation system near working area if dusts occur.

9 - Physical and Chemical Properties

Appearance: silver: light gray powder

binder: off white powder

Odor: Odorless.

Solubility: silver: insoluble in water
binder: water soluble

Melting Point: Silver: 961°C (1762°F)

Flash Point: Binder: 298°C (570°F)

10 - Stability and Reactivity

Stability: Stable at room temperature in sealed containers.

Hazardous Decomposition Products: The burning (combustion) of the binder can release carbon monoxide and will create carbon dioxide.

Incompatibilities: Ammonia, acetylene gas

Conditions to Avoid: Avoid contact with ammonia and hydrogen peroxide

13 – Disposal: Recycle waste and unused portions. Avoid releasing into septic system.

14 -Transport Information

International Regulation: Transport in accordance with federal and or local regulations.

Transport consideration: Avoid high temperatures, high humidity and wet or damp areas.

Mailability:

International and domestic Mail: Permitted via air or surface transportation.

16 – Additional Information

MSDS Creation Date: 3/13/2013 Updated 11/22/2014

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