

Precious Metal Clay Health & Safety Datasheet

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Cookson Product codes :

855 050, 855 051, 855 052, 855 020, 855 021, 855 022, 855 023, 855 024, 855 030

Section I Product / Supplier Information

Product : Precious Metal Clay 3 (PMC3)
PMC 3 Starter kits

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	0.1mg/m3 (m) 0.01mg/m3 (s)	0.01mg/m3 (m,s)	0.01mg/m3 (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

Key = m=mist, s=soluble compounds of silver, Ag = AsSilver, hr=10hr TWA, NE = None Established (exposure limit)

Section III Physical Properties

Vapour Pressure (mm Hg) : Not available
Vapour Density (Air = 1): 10.5 (as silver metal)
Solubility in Water : Insoluble
Appearance : Light grey solid
Odour : Odourless
Melting Point: 17630F (9620C)
Specific Gravity : Not available
Boiling point : 40140F (22120C)
Evaporation Rate : Not available
Volatility %: Not available
pH Not available

Section IV Fire and Explosion Data

Flash point Not available
Auto Ignition Temperature Not available
Flammable Limits LEL : Unknown
URL : Unknown
Extinguishing media : Dry Powder, do not use water
Special Fire fighting procedures: Fire fighters should wear turnout gear and pressure demand self contained breathing apparatus (SCBA).
Unusual fir 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

Section VI Health Hazard Data

Primary routes of exposure	Inhalation, ingestion, skin, 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.
Carcinogenicity:	No NTP IARC ACCIH OSHA PROP65 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 over exposure can result.
Medical Conditions generally aggravated by exposure:	Respiratory disease, pre-existing skin condition
First Aid procedures:	
Eye Contact: or if	Flush eyes with plenty of water. If irritation develops and persists industry 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: with	Reclaim if possible. Dispose of via a licensed firm in accordance local regulations.
Precautions to be taken in handling and storage tightly	Clay hardens if exposed to the air for any length of time. Keep 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: acceptable,	Local ventilation is proffered to meet TLV requirements. General ventilation is acceptable, if exposure is maintained below TLV
Respiratory protection: approved	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
Protect Gloves :	Wear gloves appropriate for task
Other protective equipment:	Non known
Work Hygiene practices: thoroughly	Eyewash station and safety shower should be available in areas of use. Wash thoroughly after handling product.

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