

Safety Data Sheet

1. Substance identity and company contact information

Product Name: Five Star Project X .960, Five Star Project X .960 Flex,
Five Star Project X .925

Company: Clay Revolution, LLC.

Address: 107 S Market Street, Madison
North Carolina, United States 27025

Telephone Number: 336-949-4396

Emergency Telephone Number: 336-949-4396

E-mail address: info@clayrevolution.com

Recommended use and restraint: Material for art, craft and hobby use

2. Hazards identification

GHS classification

Physical and Chemical Hazards

Sort of Gunpowder	Out of classification
Combustibility, Ignition gas	Out of classification
Combustibility, Ignition aerosol	Out of classification
Oxidizing gas	Out of classification
High pressure gas	Out of classification
Ignition liquid	Out of classification
Combustibility solid	Out of division
Self reaction chemical	Out of classification
Spontaneous combustion liquid	Out of classification
Spontaneous combustion solid	Out of division
Self heating chemical	Out of division
Water reaction combustibility chemical	Out of division
Oxidizing liquid	Out of classification
Oxidizing solid	Out of classification
Organic dioxide	Out of classification
Metal corrosive substance	Out of division

Adverse human health effects

Acute toxicity(Oral)	Out of division
Acute toxicity(Dermal)	Out of division
Acute toxicity(Inhalation: Gas)	Out of classification
Acute toxicity(Inhalation: Steam)	Out of classification
Acute toxicity(Inhalation: Dust)	Impossible to classify
Acute toxicity(Inhalation: Mist)	Out of classification
Skin corrosive, Irritation	Out of division
Heavy injuries to eyes, Irritation	Division 2B
Sensitization of respiratory organs	Impossible to classify
Sensitization of skin	Division 1
Variation of germ cell	Impossible to classify
Carcinogenicity	Impossible to classify
Genital toxicity	Impossible to classify
Specific target organs, General toxicity (Single exposure)	Division 1 (respiratory organs)
Specific target organs, General toxicity	Division 1 (Eyes, respiratory organs)

(Repetition exposure)
Hazardous of Inhalational respiratory

(Inhalation)
Out of classification

Environmental Effects

Acute hazardous to the aquatic Environmental
Chronic hazardous to the aquatic Environmental
Hazardous to the ozone layer

Impossible to classify
Impossible to classify
No data

Label Element Symbol:



Alert Words: Danger

Hazards Information: Eye Irritation.
May cause an allergic skin reaction.
May cause breathing difficulties if inhaled.
Impediment of eyes, respiratory organs (inhalation) and lungs by long-term or repetition exposure.

Caution: **【Safety Measure】**
Do not eat, drink or smoke while using.
Do not inhale dust or fume.
Wash hands carefully after use.
Contaminated work clothing should not be allowed out of the workplace. Use personal protective gloves, glasses and mask as required.

【First aid】
If having indisposition, arrange for transport to nearest medical facility for examination and treatment by a physician.
If on skin: wash with plenty of soap and water.
If skin irritation or rash occurs: get medical advice/attention.
If in eyes: gently rinse the affected eyes with clean water, in case of wearing contact lens, remove them.
If constant eye irritation: receive medical treatment.
If chemical exposure or its risk: receive medical treatment.
Wash contaminated clothing before reuse.

【Storage】
Lock the storage place.

【Disposal】
Obey the relevant law as to the disposal of waste.
Dispose by the assistance of a waste disposer authorized by local government.

3. Chemical composition and data on components

Chemical substance

Chemical name or common name	Abbreviation	Content (wt%)	CAS No.
Silver	Ag	>80	7440-22-4
Copper	Cu	<10	7440-50-8
Binder + water	-	2-20	Not disclosed

4. First-aid measures

Inhalation:

Move sufferers to place filled with fresh air, and let repose with posture easy to breath. If having indisposition, arrange for transport to nearest medical facility for examination and treatment by a physician.

Skin Contact:

Flush with water and soap as soon as possible.
If skin irritation or rash occurs: Get medical advice/attention.
If having indisposition, arrange for transport to nearest medical facility for examination and treatment by a physician.
Wash the dirty work clothes before reuse.

Eye Contact:

Gently rinse the affected eyes with clean water. In case of wearing contact lens, better to remove them.
Arrange for transport to nearest medical facility for examination and treatment by a physician.

Ingestion:

Brush away or rinse inside a mouth with water, and see a doctor.
If having indisposition, arrange for transport to nearest medical facility for examination and treatment by a physician.

Expected acute symptom:

Influence of long-term or repetition exposure: may cause discoloration (silver stain; silver intoxication) of eyes, nose, throat or skin.

5. Fire-fighting measures

Extinguish Media:

Use appropriate extinguishing media suitable for surrounding facilities.

6. Accidental release measures

Caution for the human body, protective and emergency measure:

Use proper personal protective equipment as indicated in Section 8 to avoid contacting eyes and skin or inhalation of gas or fume.
Keep others out except for authorized personnel.
Stay windward.

Caution for the environment:

Take care not to affect the environment by discharging to waterways.

Retrieve, Neutralization:

Sweep leakages and retrieve empty containers.

Containment and cleaning way:

Stop leakage if not in danger.

Prevention of secondary disaster: Dispose spillage frequently to keep the floor from slippery condition.

7. Handling and Storage

Handling:

- Technical measure:** Do appropriate engineering controls and use proper personal protective equipment as indicated in Section 8.
- Ventilation:** Do appropriate ventilation as indicated in Section 8.
- Caution for safety handling:** Use outside or at well-ventilated area only.
Do not contact, swallow or inhale dust, fumes, mist, gas, vapors or spray.
Wash hands carefully after use.
- Avoidance of contact:** Refer to Section 10.

Storage:

- Technical measure:** Set up facilities equipped with adequate lighting and ventilation to store and handle dangerous object in storage place.
- Hazardous Polymerization:** Refer to Section 10.
- Conditions to Storage:** Store in a locked place.
- Materials of containers or package:** Keep in closed package.

8. Exposure control and personal protection

Control concentration: Not set

Allowance concentration (Exposure limit, Biological Exposure indicator): ACGIH

TLV-TWA :
0.1mg/m³

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use adequate ventilation to keep airborne concentrations under the limit of exposure.
In case of having fume or dust in process, set up ventilation device to keep air pollutive substances under control concentration.

Personal Protective Equipment:

- Respiratory organs:** In case of poor ventilation, wear appropriate respirators.
- Hands:** Wear appropriate protective gloves.
- Eyes:** Wear appropriate protective eyeglasses.
Wear appropriate protective face protections.
- Skin and Body:** Wear appropriate protective clothing and safety shoes.

Sanitary Measure: Wash hands carefully after use.

9. Physical and chemical properties

	[AG]	[Organic binder + water]
Appearance, physical state, form, color:	White Metal	White liquid
Odor:	Odorless	No data
pH:	No data	No data
Melting point, coagulating point:	962°C (Melting Point)	No data
Boiling point, Initial boiling point and Boiling range:	2212°C (Boiling Point)	No data
Flash point:	No data	No data
Explosion range:	No data	No data
Steam pressure:	0.000000565Pa (25°C)(Conversion value)	No data
Steam density(Air=1):	No data	No data
Specific gravity:	10.5g/cm ³	No data
Solubility:	Insoluble(Water)	No data
Octanol/Water Partition coefficient:	No data	No data
Spontaneous combustion temperature:	No data	No data
Decomposition temperature:	No data	No data
Threshold of odor:	No data	No data
Evaporation speed (Butyl acetate=1):	No data	No data
Combustion property (Solid, Gas):	No data	No data
Viscosity:	No data	No data

10. Stability and reactivity

Chemical Stability:	Stable under normal storage and handling conditions.
Incompatibilities with Other Materials:	Darken with exposure to ozone, hydrogen sulfide or sulfur. Impossible to contact strong acids and strong bases. Form compounds sensitive to shock by acetylene. Fine fragment of silver and concentrated hydrogen peroxide solution are likely to explode. (Emit oxygen gas by decomposing heavily). If in contact with ammonia when drying, likely to generate explosive compounds. Reacts easily with dilute nitric acid or concentrated sulfuric acid. Cause fire.
Conditions to Avoid:	Nothing special.
Hazardous Polymerization:	Strong acids, strong bases, concentrated hydrogen peroxide solution, ammonia (when drying) dilute nitric acid or concentrated sulfuric acid.

Hazardous Decomposition Products: Not applicable.

11. Toxicological Information

Information on toxicological effects

No Acute toxicity data available
No Irritant properties data available
No Allergenic and sensitizing effects data available
No Mutagenic effects data available
No Carcinogenic effects data available
No Teratogenic effects data available
No reproductive toxicity data available
No STOT-single/repeated exposure data available
No Aspiration hazard data available

12. Ecological information

Acute hazardous to the Aquatic Environmental: Impossible to classify because of insufficient data.

Chronic hazardous to the Aquatic Environmental: Impossible to classify because of insufficient data.

Ecological toxicity: No data

Hazardous to the ozone layer: No data

13. Disposal considerations

The rest of waste, contaminated vessel: Obey the relevant law as to the disposal of wastes.
Provide hazardous information with a waste disposer in advance of committing.
Do not discharge or dispose by landfill the product, waste liquid or detergent drain to environment.

14. Transport information

International regulations:

UN classification: Not applicable to the criteria for classification.

UN number: Not applicable to the criteria for classification.

UN proper shipping name: Not applicable to the criteria for classification.

Packing group: Not applicable to the criteria for classification.

Marine pollutant: Not applicable to the criteria for classification.

Domestic regulations: Refer to laws and regulation that are applied.

Special precautions: Prior to transport, prevent direct rays of the sun, and verify that there is no damage, corrosion or leakage of the container.

Do not pile up a heavy load on top of the shipment.

Emergency response No information

guideline number:

15. Other information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. Users are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.