

## Safety Data Sheet

**Product Name**

Glassline GA17 Metallic Copper  
Glassline Chalk CH17 Metallic Copper

→ FUS GL17  
→ FUS GLC17

**Common Names**

Glassline Paint

**Company**

Clay Art Center Inc  
2636 Pioneer Way East  
Tacoma Wa 98404

**Emergency Number**

911

**Product Use**

Glass fusing

**Restrictions on Use**

None applicable

**Contains Crystalline Silica > 1% Respirable**

**GHS label elements /  
Hazard pictograms****OSHA / HCS status**

In the liquid form this material is not considered hazardous.  
If exposed to airborne dust or mist this material is considered hazardous  
by OSHA Hazard Communication Standard ( 29 CFR 1910. 1200 )

**Classification of the  
substance or mixture**

OSHA - Carcinogenicity ( Inhalation ) - Category 1A  
Specific organ toxicity ( Repeated Exposure ) ( Respiratory tract through  
inhalation ) - Category 1

**Signal Word**

**Danger**

**Hazard Statement**

( H350 ) Cancer Hazard. Contains quartz ( crystalline silica ) which may cause cancer. Risk of cancer depends upon duration and level of exposure to the dust  
Not an acute hazard.  
( H332 ) Prolonged inhalation of dust may cause lung injury. Inhalation of high concentrations of dust may cause mechanical irritation and discomfort of the respiratory tract. Repeated exposure may have chronic effects.  
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.  
( H316 + H320 + H335 ) Can cause skin, respiratory, and eye irritation.  
( P261 ) Avoid breathing dust  
( P280 ) Wear protective gloves, eye, and respiratory protection.

**Precautionary  
Statements**

**Substances / Mixtures**

Mixture - A trade secret claim is made for this item

| Component                     | CAS #      | Approx % by Wt. |
|-------------------------------|------------|-----------------|
| Crystalline Silica ( quartz ) | 14808-60-7 | 20              |
| Fluorides , as F              | 7789-75-5  | 5               |
| Mica ( mineral )              | 12001-26-2 | 4               |

|                     |                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | If eye contact occurs, rinse immediately with plenty of water. If irritation persists, seek medical attention.                                                    |
| <b>Skin Contact</b> | If irritation occurs, wash thoroughly with water. If it persists, seek medical attention.                                                                         |
| <b>Inhalation</b>   | Move victim to fresh air in well ventilated area. If coughing or irritation persist, seek medical attention.                                                      |
| <b>Ingestion</b>    | Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if any discomfort continues. |

**Symptoms and Effects, both Acute and Delayed**

|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>      | Prolonged contact with large amounts of dust may cause mechanical irritation.                                                                                                                                                           |
| <b>Skin Contact</b>     | Prolonged contact with large amounts of dust may cause mechanical irritation.                                                                                                                                                           |
| <b>Inhalation</b>       | Inhalation of high concentrations of dry dust may cause mechanical irritation and discomfort. Long term exposure may cause chronic effects ( see section 11 )                                                                           |
| <b>Ingestion</b>        | Large quantities ingested may cause gastrointestinal irritation.                                                                                                                                                                        |
| <b>Chronic Symptoms</b> | Repeated or prolonged exposure to respirable crystalline silica dust may cause lung damage in the form of silicosis. Symptoms will include shortness of breath, fever, fatigue, loss of appetite, chest pain, dry non-productive cough. |

**General Fire Hazards** Glassline mixture is not flammable and does not support fire. The plastic bottle containing the mixture are flammable.

**Extinguishing Media** Use appropriate extinguishing media for surrounding fire.

**Chemical Hazards from Fire** Glassline mixture does not contain hazardous decomposition products.

**Protective Actions and Equipment for Fire-fighters** Glassline mixture and packaging can become slippery when wet. Fire-Fighters should wear appropriate protective equipment.

**Clean - up Methods** Sponge or mop spill using plenty of water.

**Personal Precautions and Personal Protection Equipment** Wear appropriate protective equipment and clothing during clean-up. When dry sweeping use NIOSH approved respirators when dust levels exceed exposure limits.

**Enviromental Precautions** None

**Emergency Procedures and Methods of Containment** There is no emergency procedures required for this mixture. Place dry powder in a sealed container for proper disposal.

**Precations for Safe Handling** Use proper lifting techniques to avoid injury.

**Recommendations on the Conditions for Safe Storage** Store in a clean dry location.

## Airborne Exposure Limits

| Hazardous Ingredient          | Wt. % Aprox. | CAS#       | OSHA PEL* / ACGIH TLV             |
|-------------------------------|--------------|------------|-----------------------------------|
| Crystalline Silica ( quartz ) | 20           | 14808-60-7 | 0.1 mg/m3 / 0.025mg/m3 respirable |
| Fluorides , as F              | 5            | 7789-75-5  | 2.5 / 2.5                         |
| Mica ( mineral )              | 4            | 12001-26-2 | 3 mg/m3 / 3 mg/m3                 |

### Engineering Measures

Provide sufficient ventilation for operations causing dust formation.  
Observe occupational exposure limits and minimize the risk of exposure.

### Personal Protective Equipment ( PPE )

#### Respiratory

If engineering controls do not maintain airborne concentrations below recommended exposure limits an approved respirator must be worn.  
Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure.

#### Eyes

Wear approved safety goggles.

#### Skin and Body

It is a good industrial hygiene practice to minimize skin contact. For prolonged contact use suitable protective gloves.

|                           |                |                                    |                |
|---------------------------|----------------|------------------------------------|----------------|
| <b>Appearance</b>         | Dry Powder     | <b>Evaporation Rate</b>            | Not Applicable |
| <b>Color</b>              | Copper         | <b>Solubility in Water at 100c</b> | None           |
| <b>Physical State</b>     | Liquid         | <b>Viscosity</b>                   | Not Applicable |
| <b>ph</b>                 | 6-8            | <b>Flashpoint</b>                  | Not Applicable |
| <b>Odor</b>               | low to none    | <b>Boiling Point</b>               | Not Applicable |
| <b>Odor Threshold</b>     | Not Applicable | <b>Flammability</b>                | Not Applicable |
| <b>Melting Point</b>      | Not Applicable | <b>Vapor Pressure(mm HG)</b>       | Not Applicable |
| <b>Freezing Point</b>     | Not Applicable | <b>Vapor Density</b>               | Not Applicable |
| <b>Relative Density /</b> |                | <b>Particicn coefficient</b>       | Not Applicable |
| <b>Specific Gravity</b>   | 1.76 (H2O=1)   | <b>Auto Ignition Temp.</b>         | Not Applicable |

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| <b>Reactivity</b>                         | No dangerous reactions are known under normal conditions of use. |
| <b>Chemical Stability</b>                 | Material is stable under normal conditions.                      |
| <b>Possibility of Hazardous Reactions</b> | Hazardous polymerization does not occur.                         |
| <b>Conditions to Avoid</b>                | Airborne dust                                                    |
| <b>Incompatible Materials</b>             | None                                                             |
| <b>Hazardous Decomposition Products</b>   | None                                                             |

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Primary Route of Exposure</b>                 | Skin, Eye Contact, Inhalation and Ingestion.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Specific Organ Toxicity Single Exposure</b>   | Target organs include Skin and respiratory system                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Specific Organ Toxicity Repeated Exposure</b> | Cause damage to eyes, skin and respiratory system through prolonged or repeated exposure.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Acute Short Term Exposure Effects</b>         | May cause eye irritation, skin irritation and respiratory tract irritation<br>Inhalation of high concentrations of dry powder may cause mechanical irritation and discomfort. Long term exposure may cause chronic effects.                                                                                                                                                                                                                                 |
| <b>Chronic Long Term Exposure Effects</b>        | Silica has been classified by OSHA as a human lung carcinogen. Repeated or prolonged exposure of respirable crystalline silica dust may cause lung damage in the form of silicosis. Effects of silicosis include bronchitis/chronic obstructive pulmonary disorder, increased susceptibility to tuberculosis, scleroderma ( a disease affecting skin, blood vessels, joints and skeletal muscles),and possible renal disease. Acute silicosis can be fatal. |
| <b>Related Symptoms</b>                          | Symptoms will include shortness of breath, fever, fatigue, loss of appetite, chest pain, dry non-productive cough.                                                                                                                                                                                                                                                                                                                                          |
| <b>Medical Conditions Aggravated by Exposure</b> | Individuals with pre-existing allergies, eye disorders, skin disorders, respiratory disorders may have increased susceptibility to the effects of exposure.                                                                                                                                                                                                                                                                                                 |

|                                                      |            |
|------------------------------------------------------|------------|
| <b>Ecotoxicity</b>                                   | None known |
| <b>Biochemical Oxygen Demand ( BODS )</b>            | None Known |
| <b>Chemical Oxygen Demand ( COD )</b>                | None Known |
| <b>Products of Biodegradation</b>                    | None Known |
| <b>Toxicity of the Products of Biodegradation</b>    | None Known |
| <b>Bioaccumulation Potential</b>                     | None Known |
| <b>Potential to Migrate from Soil to Groundwater</b> | None Known |
| <b>Other Adverse Effects</b>                         | None Known |

|                                                                     |                                                                                                                                                                           |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Protection</b>                                          | Refer to section 8 for proper PPE when disposing of waste material.                                                                                                       |
| <b>Appropriate Disposal Containers</b>                              | Standard waste disposal containers - no special requirements.                                                                                                             |
| <b>Appropriate Disposal Methods</b>                                 | Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements. |
| <b>Physical and Chemical Properties that May Affect Disposal</b>    | Dry dust should be placed in a sealed container or in a manner that reduces or eliminates the release of the product.                                                     |
| <b>Swage Disposal</b>                                               | No precautions                                                                                                                                                            |
| <b>Special Precautions for Landfills or Incineration Activities</b> | There are no special precautions for disposal in a landfill. This product is non-combustible and is not suitable for incineration.                                        |

| Regulatory Information | UN Number     | UN Proper Shipping Name | Transport Hazard Class | Packing Group Number | Bulk Transport Guidance | Special Precautions |
|------------------------|---------------|-------------------------|------------------------|----------------------|-------------------------|---------------------|
| DOT Classification     | Not Regulated | -                       | -                      | -                    | -                       | -                   |
| TDG Classification     | Not Regulated | -                       | -                      | -                    | -                       | -                   |
| ADR/RID Class          | Not Regulated | -                       | -                      | -                    | -                       | -                   |
| IMDG Class             | Not Regulated | -                       | -                      | -                    | -                       | -                   |
| IATA-DGR Class         | Not Regulated | -                       | -                      | -                    | -                       | -                   |

|                                                                              |                                                                                                                                                        |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TSCA - Toxic Substance</b>                                                | Quartz and other chemicals are listed in the TSCA Substance Inventory.                                                                                 |
| <b>California Prop. 65 Warning</b>                                           | This product contains a chemical known to the State Of California to cause cancer. ( Prop 65 - California Health and Safety Code Section 2549 Et Seq ) |
| <b>SARA / Title III ( Emergency Planning and Community Right to Know Act</b> | This mixture contains no substance at or above the reporting threshold under section 313, based on available data                                      |

#### Definitions

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| <b>ACGIH</b>    | American Conference of Governmental Industrial Hygienist |
| <b>CAS</b>      | Chemical Abstract Service                                |
| <b>CAL-OSHA</b> | California Occupational Safety and Health Administration |
| <b>IARC</b>     | International Agency for Research on Cancer              |
| <b>OSHA</b>     | Occupational Safety and Health Administration            |
| <b>MSHA</b>     | Mine Safety and Health Administration                    |
| <b>NIOSH</b>    | National Institute of Occupational Safety and Health     |
| <b>NTP</b>      | National Toxicology Program                              |
| <b>HCS</b>      | Hazardous Communication Standard                         |
| <b>OSHA PEL</b> | OSHA Permissible Exposure Limit                          |
| <b>STEL</b>     | Short Term Exposure Limit                                |
| <b>TLV</b>      | Threshold Limit Value                                    |
| <b>TWA</b>      | Time Weighted Average                                    |

Three types of TLVS for chemical substances as defined by the ACGIH are:

**TLV-TWA**

Time weighted average - average exposure on the basis of an 8 h/day, 40h/week work schedule.

**TLV - STEL**

Short - term exposure limit - spot exposure for a duration of 15 minutes, that can not be repeated more than 4 times per day, with at least 60 minutes between exposure periods.

**TLV-C**

Ceiling limit - absolute exposure limit that should not be exceeded at any time.

This SDS is in compliance with The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and is subject to revision at any time without notice. Its current revision date is : 11/25/2016

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