

## **SAFETY DATA SHEET**

**PRODUCT NAME:**     **PCG01-GOLD GLAZE**

### **1 – IDENTIFICATION OF MATERIAL AND SUPPLIER**

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**SUPPLIER:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**TELEPHONE:** \_\_\_\_\_

**FACSIMILIE:** \_\_\_\_\_

**EMERGENCY:** \_\_\_\_\_

**WEB SITE:** \_\_\_\_\_

**E-MAIL:** \_\_\_\_\_

**SYNONOMYS:** **PASLER GOLD GLAZE**

**USES:**             **CERAMIC GLAZE**

**ISSUED DATE:** 21 May 2023

### **2 – HAZARDS IDENTIFICATION**

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#### **NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC**

Each glaze is a mixture of ceramic material containing, non-leaded frits, clay and other minerals and color pigments. Contains potential carcinogens: Crystalline silica (quartz) as an inhalation hazard, may be present if unfired, dried glaze is excessively handled and allowed to create dust.

A few pigments may contain small amounts of zirconium encapsulated cadmium and other metals. Other ingredients present have no known acute toxicity.

#### **GHS LABEL ELEMENTS:**

**HAZARD STATEMENTS:**     H302 Harmful if swallowed.

**PRECAUTIONARY STATEMENTS:**     P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/ container in accordance with national regulations.

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### **3 – COMPOSITION / INFORMATION ON INGREDIENTS**

|                |           |     |      |
|----------------|-----------|-----|------|
| COPPER OXIDE   | 1317-38-0 | N/A | < 5% |
| CLASSIFICATION | ----      | N/A | N/A  |

**COMPOSITION COMMENTS:**        Only ingredients listed above are notifiable for this product. If none are shown then all ingredients are exempt.

### **4 – FIRST AID MEASURES**

|                          |                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EYE:</b>              | May cause irritation. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a doctor. |
| <b>INHALED:</b>          | May cause irritation. Remove from exposure.                                                                                                      |
| <b>SKIN:</b>             | May cause irritation. Wash skin with soap and water.                                                                                             |
| <b>SWALLOWED:</b>        | Contact a doctor. Do not induce vomiting.                                                                                                        |
| <b>ADVICE TO DOCTOR:</b> | Treat symptomatically.                                                                                                                           |

### **5 – FIRE FIGHTING MEASURES**

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| <b>FLAMMABILITY:</b>         | Non Flammable.                                                |
| <b>FIRE &amp; EXPLOSION:</b> | No fire or explosion hazard exists.                           |
| <b>EXTINGUISHING:</b>        | Use an extinguishing agent suitable for the surrounding fire. |
| <b>HAZCHEM CODE:</b>         | None allocated.                                               |

### **6 – ACCIDENTAL RELEASE MEASURES**

|                  |     |
|------------------|-----|
| <b>SPILLAGE:</b> | N/A |
|------------------|-----|

### **7 – STORAGE AND HANDLING**

|                  |                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STORAGE:</b>  | Store in a cool, dry, well ventilated area, removed from oxidizing agents, acids and foodstuffs.                                                                                                                                                                    |
| <b>HANDLING:</b> | Before using carefully read the product label. Use of safe practices is recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. |

### **8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE STANDARDS:**

| INGREDIENT                | TWA |                   | STEL |                   | ACGIH TLV |                   |
|---------------------------|-----|-------------------|------|-------------------|-----------|-------------------|
|                           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> |
| CADMIUM COMPOUNDS (as Cd) |     | 0.01              |      |                   |           |                   |
| KAOLIN                    | -   | 10                | -    | -                 | -         | 3                 |

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|                  |   |     |   |   |   |     |
|------------------|---|-----|---|---|---|-----|
| CALCINED ALUMINA | - | -   | - | - | - | 1   |
| SILICA           | - | 0.1 | - | - | - | 0.1 |

Remaining main glaze ingredients do not have formal Exposure Limits. Some pigments contain metals that have exposure limits (eg Co, Cr, Mn) but are used in low levels. These glazes are non-hazardous liquid mixtures of ceramic materials containing, water, non-leaded frits, clay, and other minerals and color pigments. These mixtures have no TWA or TLV.

**BIOLOGICAL LIMITS:** No biological limits allocated.

**ENGINEERING CONTROLS:** Not required.

### **PPE**

|                    |                      |
|--------------------|----------------------|
| <b>Eye / Face</b>  | Not normally needed. |
| <b>Hands</b>       | Not normally needed. |
| <b>Body</b>        | Not normally needed. |
| <b>Respiratory</b> | Not normally needed. |

## **9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                              |                  |
|------------------------------|------------------|
| <b>APPEARANCE:</b>           | Various colors   |
| <b>ODOUR:</b>                | Almost odorless. |
| <b>BOILING POINT:</b>        | N/A              |
| <b>MELTING POINT:</b>        | > N/A            |
| <b>VAPOUR PRESSURE:</b>      | N/A              |
| <b>SPECIFIC GRAVITY:</b>     | N/A              |
| <b>FLASH POINT:</b>          | N/A              |
| <b>FLAMMABILITY LIMITS:</b>  | Non Flammable    |
| <b>SOLUBILITY IN WATER:</b>  | Negligible       |
| <b>VISCOSITY:</b>            | N/A              |
| <b>pH:</b>                   | 6 - 8            |
| <b>% VOLATILES</b>           | N/A              |
| <b>EVAPORATION RATE</b>      | N/A              |
| <b>UPPER EXPLOSION LIMIT</b> | N/A              |
| <b>LOWER EXPLOSION LIMIT</b> | N/A              |

## **10 – STABILITY AND REACTIVITY**

|                                 |                                                                        |
|---------------------------------|------------------------------------------------------------------------|
| <b>REACTIVITY:</b>              | None known.                                                            |
| <b>CHEMICAL STABILITY:</b>      | Stable.                                                                |
| <b>CONDITIONS TO AVOID:</b>     | Fumes from firing in kiln. Avoid contact with incompatible substances. |
| <b>INCOMPATIBLE MATERIAL:</b>   | None known.                                                            |
| <b>HAZARDOUS DECOMPOSITION:</b> | None known.                                                            |
| <b>HAZARDOUS REACTIONS:</b>     | None known.                                                            |

## **11 – TOXICOLOGICAL INFORMATION**

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**HEALTH HAZARD SUMMARY:** Under normal conditions of use, adverse health effects are not anticipated. Due to the form of the products, an inhalation hazard is not anticipated.

MAY BE HARMFUL IF SWALLOWED. Contains: COPPER.  
PRECAUTIONS: Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. NOT FOR SPRAY APPLICATION. NOT FOR USE IN HEALTH CARE FACILITIES.

KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT: If swallowed get prompt medical attention.

**EYE:** Low irritants. Contact may result in irritation, lacrimation and redness.

**INHALATION:** Exposure considered unlikely. Due to the form of the products and nature of use, an inhalation hazard is not anticipated with normal use.

**SKIN:** Low irritants. Prolonged or repeated contact may result in mild irritation.

**INGESTION:** Low toxicity. Ingestion is considered unlikely due to the form of the products. However ingestion via hand-mouth transfer may result in gastrointestinal irritation, nausea and vomiting. Maintain good personal hygiene standards.

**TOXICITY DATA:** QUARTZ (SILICA CRYSTALLINE) (14808-60-7)

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| LCLo (inhalation) | 300 µg/m <sup>3</sup> /10 years (human)                                 |
| TCLo (inhalation) | 16,000,000 particles/ft <sup>3</sup> /8 hrs/17.9 years (human fibrosis) |

### **CADMIUM COMPOUNDS**

|                        |                                       |
|------------------------|---------------------------------------|
| LC50 (inhalation)      | 25 mg/m <sup>3</sup> /30M (rat)       |
| LCLo (inhalation)      | 39 mg/m <sup>3</sup> /20M (human)     |
| LD50 (ingestion)       | 890 mg/kg (mouse)                     |
| LD50 (intraperitoneal) | 5700 µg/kg (mouse)                    |
| LD50 (intravenous)     | 5 mg/kg (rabbit)                      |
| LDLo (ingestion)       | 70 mg/kg (rabbit)                     |
| LDLo (subcutaneous)    | 6 mg/kg (rabbit)                      |
| TCLo (inhalation)      | 88 µg/m <sup>3</sup> /8.6 years (man) |

## **12 – ECOLOGICAL INFORMATION**

**ENVIRONMENT:** Limited eco-toxicity data was available for these products at the time of this report. Ensure appropriate measures are taken to prevent these products from entering the environment.

## **13 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** For small amounts dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved.

**LEGISLATION:** Dispose of in accordance with relevant local legislation.

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### 14 – TRANSPORTATION

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**NOT CLASSIFIED AS DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE.**

|                                 | <b>LAND TRANSPORT<br/>(ADG)</b>                | <b>SEA TRANSPORT<br/>(IMDG/IMO)</b>            | <b>AIR TRANSPORT<br/>(IATA/ICAO)</b>           |
|---------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <b>UN NUMBER</b>                | None Allocated                                 | None Allocated                                 | None Allocated                                 |
| <b>PROPER SHIPPING<br/>NAME</b> | Water based artist and<br>hobby ceramic glazes | Water based artist and<br>hobby ceramic glazes | Water based artist and<br>hobby ceramic glazes |
| <b>DG CLASS / DIVISION</b>      | None Allocated                                 | None Allocated                                 | None Allocated                                 |
| <b>SUBSIDIARY RISKS</b>         | None Allocated                                 | None Allocated                                 | None Allocated                                 |
| <b>PACKING GROUP</b>            | None Allocated                                 | None Allocated                                 | None Allocated                                 |
| <b>HAZCHEM CODE</b>             | None Allocated                                 | None Allocated                                 | None Allocated                                 |

### 15 – REGULATORY INFORMATION

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**INVENTORY LISTINGS:**

**AUSTRALIA:**

All components are listed on AICS or are exempt.

**USA:**

Silica is listed on IARC, OSHA and NTP carcinogen list.

All ingredients are on TSCA inventory.

California Proposition 65 - Proposition 65: Silica (Quartz), Cobalt, Chromium and Cadmium are listed on the carcinogen list.

**CANADA:**

All ingredients are on DSL inventory.

WHMIS – Not controlled.

**EUROPE:**

All ingredients are on EC inventory.

**CHEMICAL SAFETY ASSESSMENT: USA:**

Conforms to ASTM D 4236 This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Material Act). This product is judged to be non-toxic and non-flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65 during use.

**EU:**

Does not require a hazardous warning label according to the EU guidelines/Dangerous Chemicals Ordinance.

### 16 – OTHER INFORMATION

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**ADDITIONAL INFORMATION:**

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment made.

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**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

**End of SDS**