

# SAFETY DATA SHEET

## PC 4 PALLADIUM

### 1. Identification

#### Product identifier

Product name PC 4 PALLADIUM

Product number PC 4 PALLADIUM

#### Recommended use of the chemical and restrictions on use

Application ceramic glaze

#### Details of the supplier of the safety data sheet

Supplier American Art Clay Co Inc  
6060 Guion Road  
Indianapolis,  
IN 46254-1222  
USA  
Toll Free: 1-800-925-5195 ext. 1303  
Local: 1-317-243-0066 ext. 1303

#### Emergency telephone number

Emergency telephone 1 317 243 0066 ext. 1303 Mon-Fri, 0900-1700 EST

### 2. Hazard(s) identification

#### Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302

#### Label elements

##### Pictogram



Signal word Warning

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.

Supplemental label information WARNING: 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. For further information, contact a national poison control number; 800-222-1222.

Contains manganese dioxide

#### Other hazards

No additional comments required

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### 3. Composition/information on ingredients

#### Mixtures

<b>silica</b>	<b>10-30%</b>
CAS number: 14808-60-7	
<b>Classification</b> STOT RE 2 - H373	
<b>zinc oxide</b>	<b>1-5%</b>
CAS number: 1314-13-2	
<b>Classification</b> Not relevant.	
<b>manganese dioxide</b>	<b>1-5%</b>
CAS number: 1313-13-9	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332	

The full text for all hazard statements is displayed in Section 16.

**Composition comments**      Only ingredients listed above are notifiable for this product. If none are shown then all ingredients are exempt.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	--
<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.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse with water.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>Inhalation</b>	Read Section 2 for any specific precautions associated with this product. In general, breathing any type of dust / mist can and may aggravate irritation of the throat and lungs.
<b>Ingestion</b>	Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.
<b>Skin contact</b>	Read Section 2 for any specific precautions associated with the use of this product. In general most ceramic glazes, clays and special products will tend to have a drying effect on the skin and may cause some sensitivity to users with sensitive skin.
<b>Eye contact</b>	Read Section 2 for any specific precautions associated with the use of this product. In general most ceramic and special products contain materials that maybe abrasive to eyes. Keeping materials from contacting the eyes is prudent. If contact does occur, flush with clean water, do not rub.

#### Indication of immediate medical attention and special treatment needed

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**Notes for the doctor**            Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media**    Use fire-extinguishing media suitable for the surrounding fire.

#### Special hazards arising from the substance or mixture

**Specific hazards**                    The product is not believed to present a hazard due to its physical nature.

#### Advice for firefighters

**Special protective equipment for firefighters**    Use protective equipment appropriate for surrounding materials.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions**            For personal protection, see Section 8.

#### Environmental precautions

**Environmental precautions**    Please read Section 2 completely. If any environmental warnings such as; H411 or H412 are listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.

#### Methods and material for containment and cleaning up

**Methods for cleaning up**        Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material

**Reference to other sections**    For waste disposal, see Section 13. For personal protection, see Section 8.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions**                Read label before use. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions**            Store in tightly-closed, original container in a dry and cool place.

#### Specific end uses(s)

**Specific end use(s)**                The identified uses for this product are detailed in Section 1.2.

### 8. Exposure Controls/personal protection

#### Control parameters

**Ingredient comments**            Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.

#### Copper Oxide (CAS: 1317-38-0)

**Immediate danger to life and health**    100 mg/m<sup>3</sup>

#### Exposure controls

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<b>Appropriate engineering controls</b>	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
<b>Eye/face protection</b>	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
<b>Hand protection</b>	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
<b>Hygiene measures</b>	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
<b>Respiratory protection</b>	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Colored liquid.
<b>Color</b>	Various colors.
<b>Odor</b>	Almost odorless.
<b>Odor threshold</b>	No information available.
<b>pH</b>	6-8
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	No information available.
<b>Evaporation rate</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapor pressure</b>	No information available.
<b>Relative density</b>	Greater than 1.0
<b>Solubility(ies)</b>	Not applicable.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	none
<b>Oxidizing properties</b>	none
<b>Other information</b>	Not applicable.

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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<b>Stability</b>	No particular stability concerns.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	None known.
<b>Materials to avoid</b>	None known.
<b>Hazardous decomposition products</b>	None known.

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).

#### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

#### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 79.37

#### Skin corrosion/irritation

#### Skin sensitization

**Skin sensitization** Please read Section 2 thoroughly to understand the toxicological risks (if any) and precautions for safe use (if any).

#### Eye contact

May cause temporary eye irritation.

### 12. Ecological Information

**Ecotoxicity** Please read Section 2 completely. If any environmental warnings such as; H411 or H412 are listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.

#### Toxicity

#### Persistence and degradability

**Persistence and degradability** No data available.

#### Biodegradation

Not inherently biodegradable.

#### Bioaccumulative potential

#### Partition coefficient

No information available.

#### Mobility in soil

#### Mobility

Semi-mobile.

#### Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Other adverse effects

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**Other adverse effects** None known.

### 13. Disposal considerations

#### Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations. When handling waste, the safety precautions applying to handling of the product should be considered.

### 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

#### UN Number

Not applicable.

#### UN proper shipping name

Not applicable.

#### Transport hazard class(es)

No transport warning sign required.

#### Packing group

Not applicable.

#### Environmental hazards

##### **Environmentally Hazardous Substance**

Please refer to Section 2 for any environmental hazards associated with this product. If H411/H412 warnings are shown then please verify packaging and labeling requirements for larger volumes.

#### Special precautions for user

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### 15. Regulatory information

#### International Regulations

#### US State Regulations

##### **California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

##### **Massachusetts "Right To Know" List**

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

*silica*

10-30%

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*zinc oxide*

1-5%

*calcium carbonate and dolomite*

1-5%

### **Rhode Island "Right To Know" List**

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

*silica*

10-30%

*zinc oxide*

1-5%

*calcium carbonate and dolomite*

1-5%

### **Minnesota "Right To Know" List**

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

*zinc oxide*

1-5%

*Gillespie Borate*

10-30%

*calcium carbonate and dolomite*

1-5%

### **New Jersey "Right To Know" List**

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

*silica*

10-30%

*zinc oxide*

1-5%

*manganese dioxide*

1-5%

*calcium carbonate and dolomite*

1-5%

### **Pennsylvania "Right To Know" List**

*Hydrated Aluminium Silicate*

1-5%

## PC 4 PALLADIUM

*2-aminoethanol*

<1%

*silica*

10-30%

*zinc oxide*

1-5%

*calcium carbonate and dolomite*

1-5%

### Inventories

#### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

#### **US - TSCA**

All the ingredients are listed or exempt.

#### **US - TSCA 12(b) Export Notification**

All the ingredients are listed or exempt.

### **16. Other information**

<b>General information</b>	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Feldspar68476-25-5, Non Lead Frit65997-18-4, Nepheline Syenite37244-96-5 Gillespie Borate
<b>Revision date</b>	7/25/2016
<b>Revision</b>	38
<b>Supersedes date</b>	7/20/2016
<b>SDS No.</b>	5442
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.