

**SAFETY DATA SHEET**  
**TPL-63 Citrine**

30579-1006

**1. Identification**

**Product identifier**

**Product name** TPL-63 Citrine

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-63 Citrine**

**Inhalation** 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.

**Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.

**Skin contact** 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.

**Eye contact** 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**

**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.

**TPL-63 Citrine****8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	No specific ventilation 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

**TPL-63 Citrine**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

## TPL-63 Citrine

### 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

#### **US State Regulations**

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

None of the ingredients are listed or exempt.

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

**TPL-63 Citrine**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	28
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6011

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.

**SAFETY DATA SHEET  
 TPL-03 ONYX**

**1. Identification**

**Product identifier**

**Product name** TPL-03 ONYX

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-03 ONYX**

**Inhalation** 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.

**Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.

**Skin contact** 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.

**Eye contact** 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**

**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.

**TPL-03 ONYX**

**8. Exposure Controls/personal protection**

**Control parameters**

**Occupational exposure limits**

**2-aminoethanol**

Long-term exposure limit (8-hour TWA): OSHA 3 ppm 6 mg/m<sup>3</sup>  
 Long-term exposure limit (8-hour TWA): ACGIH 3 ppm 7.5 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute): ACGIH 6 ppm 15 mg/m<sup>3</sup>  
 OSHA = Occupational Safety and Health Administration.  
 ACGIH = American Conference of Governmental Industrial Hygienists.

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

**2-aminoethanol (CAS: 141-43-5)**

**Immediate danger to life and health** 30 ppm

**Exposure controls**

**Appropriate engineering controls** No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.

**Eye/face protection** No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.

**Hand protection** No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.

**Hygiene measures** 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.

**Respiratory protection** 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**

**Appearance** Colored liquid.

**Color** Various colors.

**Odor** Almost odorless.

**Odor threshold** No information available.

**pH** 6-8

**Melting point** No information available.

**Initial boiling point and range** No information available.

**Flash point** No information available.

**Evaporation rate** No information available.

**Flammability (solid, gas)** No information available.

**Upper/lower flammability or explosive limits** No information available.

**TPL-03 ONYX**

<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.
<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).

**Skin corrosion/irritation****Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**Persistence and degradability**

**TPL-03 ONYX**

**Persistence and degradability** No data available.  
**Biodegradation** Not inherently biodegradable.  
**Bioaccumulative potential**  
**Partition coefficient** No information available.  
**Mobility in soil**  
**Mobility** Semi-mobile.  
**Other adverse effects**  
**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** Not applicable.  
**Annex II of MARPOL 73/78**  
**and the IBC Code**

**15. Regulatory information**

**US State Regulations**

**California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

## TPL-03 ONYX

### Massachusetts "Right To Know" List

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

### Rhode Island "Right To Know" List

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

### Minnesota "Right To Know" List

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

### New Jersey "Right To Know" List

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

### Pennsylvania "Right To Know" List

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

### 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

#### General information

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments

#### Revision date

7/6/2017

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**TPL-03 ONYX**

**Revision** 18  
**Supersedes date** 7/5/2017  
**SDS No.** 6001

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.

**SAFETY DATA SHEET  
 TPL-28 Sapphire**

**1. Identification**

**Product identifier**

**Product name** TPL-28 Sapphire

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-28 Sapphire**

<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**

**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.

## TPL-28 Sapphire

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	No specific ventilation 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

**TPL-28 Sapphire**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

## TPL-28 Sapphire

### 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

#### **US State Regulations**

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

None of the ingredients are listed or exempt.

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

**TPL-28 Sapphire**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	22
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6005

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.

**SAFETY DATA SHEET**  
**TPL-44 Peridot**

**1. Identification**

**Product identifier**

**Product name** TPL-44 Peridot

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

## TPL-44 Peridot

<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**

**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.

## TPL-44 Peridot

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<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

**TPL-44 Peridot**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

## TPL-44 Peridot

### 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**

#### US State Regulations

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

None of the ingredients are listed or exempt.

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**TPL-44 Peridot**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	24
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6007

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**SAFETY DATA SHEET  
 TPL-55 Tanzanite**

**1. Identification**

**Product identifier**

**Product name** TPL-55 Tanzanite

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-55 Tanzanite**

<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**

**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.

## TPL-55 Tanzanite

**8. Exposure Controls/personal protection**

**Control parameters**

**Occupational exposure limits**

**Tin Oxide**

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup>  
 as Sn

ACGIH = American Conference of Governmental Industrial Hygienists.

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

**Exposure controls**

**Appropriate engineering controls**                      No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.

**Eye/face protection**                      No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.

**Hand protection**                      No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.

**Hygiene measures**                      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.

**Respiratory protection**                      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.

**TPL-55 Tanzanite**

<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.
<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).

Skin corrosion/irritation

Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

Persistence and degradability

**Persistence and degradability** No data available.

**Biodegradation** Not inherently biodegradable.

Bioaccumulative potential

**Partition coefficient** No information available.

Mobility in soil

**TPL-55 Tanzanite****Mobility** Semi-mobile.**Other adverse effects****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****US State Regulations****California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

&lt;1%

**TPL-55 Tanzanite**

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Tin Oxide*

<1%

*Hydrated Aluminium Silicate*

1-5%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	26
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6009

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.

**SAFETY DATA SHEET  
 TPL-59 Ruby**

**1. Identification**

**Product identifier**

**Product name** TPL-59 Ruby

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-59 Ruby**

<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**

**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.

## TPL-59 Ruby

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<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

**TPL-59 Ruby**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

**TPL-59 Ruby****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****US State Regulations****California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

## TPL-59 Ruby

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	27
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6010

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.

**SAFETY DATA SHEET**  
**TPL-66 Fire Opal**

**1. Identification**

**Product identifier**

**Product name** TPL-66 Fire Opal

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

## TPL-66 Fire Opal

<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**

**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.

## TPL-66 Fire Opal

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<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

**TPL-66 Fire Opal**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

**TPL-66 Fire Opal****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****US State Regulations****California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

## TPL-66 Fire Opal

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	29
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6012

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**SAFETY DATA SHEET**  
**TPL-23 Aquamarine**

**1. Identification**

**Product identifier**

**Product name** TPL-23 Aquamarine

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

## TPL-23 Aquamarine

<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**

**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.

## TPL-23 Aquamarine

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<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

## TPL-23 Aquamarine

**Other information** Not applicable.

### 10. Stability and reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

#### Skin corrosion/irritation

#### Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

#### 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.

#### Other adverse effects

**Other adverse effects** None known.

### 13. Disposal considerations

## TPL-23 Aquamarine

### 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

#### **US State Regulations**

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

None of the ingredients are listed or exempt.

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

## TPL-23 Aquamarine

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	21
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6003

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.

**SAFETY DATA SHEET**  
**TPL-27 Zircon****1. Identification****Product identifier****Product name** TPL-27 Zircon**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** Not Classified**Environmental hazards** Not Classified**Label elements****Hazard statements** NC Not Classified**Other hazards**

none present

**3. Composition/information on ingredients****Mixtures****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****General information** --**Ingestion** 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.**Skin Contact** Wash skin thoroughly with soap and water.**Eye contact** Rinse with water.**Most important symptoms and effects, both acute and delayed**

**TPL-27 Zircon**

**Inhalation** 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.

**Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.

**Skin contact** 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.

**Eye contact** 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**

**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.

**TPL-27 Zircon**

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<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

**TPL-27 Zircon**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

**TPL-27 Zircon****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****US State Regulations****California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**TPL-27 Zircon**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	21
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6004

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.

**SAFETY DATA SHEET**  
**TPL-34 Jasper**

**1. Identification**

**Product identifier**

**Product name** TPL-34 Jasper

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

**TPL-34 Jasper**

**Inhalation** 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.

**Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.

**Skin contact** 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.

**Eye contact** 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**

**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.

## TPL-34 Jasper

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	No specific ventilation 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

**TPL-34 Jasper**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

**TPL-34 Jasper**

**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**

**US State Regulations**

**California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**TPL-34 Jasper**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	23
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6006

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**SAFETY DATA SHEET  
 TPL-45 Emerald**

**1. Identification**

**Product identifier**

**Product name** TPL-45 Emerald

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

## TPL-45 Emerald

<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**

**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.

## TPL-45 Emerald

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	No specific ventilation 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

**TPL-45 Emerald**

**Other information** Not applicable.

**10. Stability and reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

**Skin corrosion/irritation**

**Skin sensitization**

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

**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.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

## TPL-45 Emerald

### 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

#### **US State Regulations**

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

None of the ingredients are listed or exempt.

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

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

Present.

###### *Hydrated Aluminium Silicate*

1-5%

###### *2-aminoethanol*

<1%

**TPL-45 Emerald**

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments
<b>Revision date</b>	7/6/2017
<b>Revision</b>	25
<b>Supersedes date</b>	7/6/2017
<b>SDS No.</b>	6008

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.

**SAFETY DATA SHEET**  
**TPL-5 Quartz**

**1. Identification**

**Product identifier**

**Product name** TPL-5 Quartz

**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** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

none present

**3. Composition/information on ingredients**

**Mixtures**

**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**

**General information** --

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

**Most important symptoms and effects, both acute and delayed**

## TPL-5 Quartz

<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**

**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.

## TPL-5 Quartz

**8. Exposure Controls/personal protection**

<b>Ingredient comments</b>	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	No specific ventilation 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

## TPL-5 Quartz

**Other information** Not applicable.

### 10. Stability and reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

**Stability** No particular stability concerns.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Materials to avoid** None known.

**Hazardous decomposition products** 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).

#### Skin corrosion/irritation

#### Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

**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** 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.

#### 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.

#### Other adverse effects

**Other adverse effects** None known.

### 13. Disposal considerations

**TPL-5 Quartz****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****US State Regulations****California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

## TPL-5 Quartz

**Minnesota "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

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

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**Pennsylvania "Right To Know" List**

Present.

*Hydrated Aluminium Silicate*

1-5%

*2-aminoethanol*

<1%

**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**

**General information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Hydrated Aluminum Silicate1332-58-7, Zirconium Aluminum Silicate10101-52-7, Various Pigments

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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.