

Revision date: 5/8/2017
MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 11

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SAFETY DATA SHEET
C-3 Smoke

30489-2646

30489-1003

1. Identification**Product identifier****Product name** C-3 Smoke**Product number** 39425E**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** --**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-3 Smoke**Most important symptoms and effects, both acute and delayed**

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.
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5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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Special hazards arising from the substance or mixture

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

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	For personal protection, see Section 8.
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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.
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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
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Reference to other sections	For waste disposal, see Section 13. For personal protection, see Section 8.
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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.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place.
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Specific end uses(s)

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C-3 Smoke

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-3 Smoke

Oxidizing properties none

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.

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C-3 Smoke**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*aluminium oxide*

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

Rhode Island "Right To Know" List

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C-3 Smoke*aluminium oxide*
1-5%*2-aminoethanol*
<1%*Hydrated Aluminium Silicate*
1-5%*silica*
10-30%**Minnesota "Right To Know" List***aluminium oxide*
1-5%*2-aminoethanol*
<1%*Hydrated Aluminium Silicate*
1-5%*silica*
10-30%**New Jersey "Right To Know" List***aluminium oxide*
1-5%*2-aminoethanol*
<1%*Hydrated Aluminium Silicate*
1-5%*silica*
10-30%**Pennsylvania "Right To Know" List***aluminium oxide*
1-5%*2-aminoethanol*
<1%*Hydrated Aluminium Silicate*
1-5%*silica*
10-30%**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.

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C-3 Smoke

16. Other Information**General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date

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5980

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.

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**SAFETY DATA SHEET
C-11 MIXING CLEAR**

30489-2009

1. Identification**Product identifier****Product name** C-11 MIXING CLEAR**Product number** C-11 MIXING CLEAR**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** --**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-11 MIXING CLEAR**Most important symptoms and effects, both acute and delayed**

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.
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5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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Special hazards arising from the substance or mixture

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

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	For personal protection, see Section 8.
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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.
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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
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Reference to other sections	For waste disposal, see Section 13. For personal protection, see Section 8.
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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.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place.
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Specific end uses(s)

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C-11 MIXING CLEAR

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-11 MIXING CLEAR**Oxidizing properties** none**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.

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C-11 MIXING CLEAR**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

aluminium oxide

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

Rhode Island "Right To Know" List

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C-11 MIXING CLEAR*aluminium oxide*

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

Minnesota "Right To Know" List*aluminium oxide*

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

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

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

Pennsylvania "Right To Know" List*aluminium oxide*

1-5%

2-aminoethanol

<1%

Hydrated Aluminium Silicate

1-5%

silica

10-30%

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.

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C-11 MIXING CLEAR**16. Other Information****General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date 12/7/2016

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Supersedes date 7/28/2016

SDS No. 4950

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.

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**SAFETY DATA SHEET
C-10 SNOW**

30489-1189

1. Identification**Product identifier**

Product name C-10 SNOW

Product number C-10 SNOW

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**

—

Inhalation Unlikely route of exposure as the product does not contain volatile substances.

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.

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C-10 SNOW**Most important symptoms and effects, both acute and delayed**

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.

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C-10 SNOW

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-10 SNOW**Oxidizing properties** none**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.

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C-10 SNOW**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**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

Rhode Island "Right To Know" List

Revision date: 12/7/2016
MSDS for #30489 - CELADN HGHFIR GLAZE

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Supersedes date: 7/25/2016
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C-10 SNOW

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

aluminium oxide
1-5%

Minnesota "Right To Know" List

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

aluminium oxide
1-5%

New Jersey "Right To Know" List

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

aluminium oxide
1-5%

Pennsylvania "Right To Know" List

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

aluminium oxide
1-5%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

All the ingredients are listed or exempt.

Revision date: 12/7/2016

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 5

Supersedes date: 7/28/2016

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C-10 SNOW**16. Other Information****General information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0
Nepheline Syenite 37244-96-5

Revision date

12/7/2016

Revision

5

Supersedes date

7/28/2016

SDS No.

4949

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.

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Revision date: 3/10/2016

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 2

Supersedes date: 3/10/2016

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**SAFETY DATA SHEET
C-40 AQUA****1. Identification****Product identifier**

Product name C-40 AQUA
Product number C-40 AQUA

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
+1 317 244 6871

Emergency telephone number

Emergency telephone 1 317 244 6871 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**

Inhalation Unlikely route of exposure as the product does not contain volatile substances.
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

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.

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C-40 AQUA

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 1.2.
----------------------------	---

8. Exposure Controls/personal protection

Revision date: 3/10/2016

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C-40 AQUA

Ingredient comments	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<u>Exposure controls</u>	
Appropriate engineering controls	No specific ventilation 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.
Vapour pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none
Oxidising properties	none
Other information	Not applicable.

Revision date: 3/10/2016

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 2

Supersedes date: 3/10/2016

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C-40 AQUA**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 sensitisation 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

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.

Results of PBT and vPvB assessment

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

Other adverse effects

Revision date: 3/10/2016
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Revision: 2

Supersedes date: 3/10/2016
Page 5 of 6**C-40 AQUA****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.

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

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Revision: 2

Supersedes date: 3/8/2016

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C-40 AQUA**General information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date 3/10/2016

Revision 2

Supersedes date 3/8/2016

SDS No. 4957

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.

Revision date: 5/6/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 9

Supersedes date: 5/6/2017

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SAFETY DATA SHEET
C-19 Glacier

30489-5576

1. Identification**Product identifier****Product name** C-19 Glacier**Product number** 39427G**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** —**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-19 Glacier**Most important symptoms and effects, both acute and delayed**

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)

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Supersedes date: 5/8/2017

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C-19 Glacier

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-19 Glacier**Oxidizing properties** none**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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 9

Supersedes date: 5/8/2017

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C-19 Glacier**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**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

Rhode Island "Right To Know" List

Revision date: 5/8/2017
MSDS for #30489 - CELADN HGHFIR GLAZE

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C-19 Glacier**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

Minnesota "Right To Know" List**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

New Jersey "Right To Know" List**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

Pennsylvania "Right To Know" List**2-aminoethanol**

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

Inventories**Canada - DSL/NDSL**

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

All the ingredients are listed or exempt.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

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C-19 Glacier

16. Other Information**General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date

5/8/2017

Revision

9

Supersedes date

5/8/2017

SDS No.

5977

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.

Revision date: 5/8/2017

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Revision: 11

Supersedes date: 5/8/2017

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SAFETY DATA SHEET
C-29 Deep Sea

30489-5176

1. Identification**Product identifier****Product name** C-29 Deep Sea**Product number** 39429H**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** --**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-29 Deep Sea**Most important symptoms and effects, both acute and delayed**

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)

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C-29 Deep Sea

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

Revision date: 5/8/2017
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C-29 Deep Sea

Oxidizing properties none

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.

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C-29 Deep Sea**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

aluminium oxide

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Rhode Island "Right To Know" List

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C-29 Deep Sea*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Minnesota "Right To Know" List*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

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

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Pennsylvania "Right To Know" List*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Inventories**Canada - DSL/NDL**

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.

Revision date: 5/8/2017

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C-29 Deep Sea**16. Other Information****General information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0
Nepheline Syenite 37244-96-5

Revision date

5/8/2017

Revision

11

Supersedes date

5/8/2017

SDS No.

5979

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.

Revision date: 3/10/2016

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 2

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SAFETY DATA SHEET
C-41 PEAR**1. Identification****Product identifier****Product name** C-41 PEAR**Product number** C-41 PEAR**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
+1 317 244 6871**Emergency telephone number****Emergency telephone** 1 317 244 6871 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****Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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****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.

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C-41 PEAR

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.
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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.
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Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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8. Exposure Controls/personal protection

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C-41 PEAR

Ingredient comments	Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
<u>Exposure controls</u>	
Appropriate engineering controls	No specific ventilation 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.
Vapour pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none
Oxidising properties	none
Other information	Not applicable.

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C-41 PEAR**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 sensitisation 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**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.

Results of PBT and vPvB assessment

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

Other adverse effects

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C-41 PEAR

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.

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

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C-41 PEAR**General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date

3/10/2016

Revision

2

Supersedes date

3/8/2016

SDS No.

4958

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.

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30489-4046

SAFETY DATA SHEET
C-32 Ochre**1. Identification****Product identifier**

Product name C-32 Ochre

Product number 39430J

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

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 --

Inhalation Unlikely route of exposure as the product does not contain volatile substances.

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

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C-32 Ochre

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.

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C-32 Ochre

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none
Oxidizing properties	none

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C-32 Ochre

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

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C-32 Ochre**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

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

2-aminoethanol

<1%

silica

10-30%

Rhode Island "Right To Know" List

Hydrated Aluminium Silicate

1-5%

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C-32 Ochre*aluminium oxide*

1-5%

2-aminoethanol

<1%

silica

10-30%

Minnesota "Right To Know" List*Hydrated Aluminium Silicate*

1-5%

aluminium oxide

1-5%

2-aminoethanol

<1%

silica

10-30%

New Jersey "Right To Know" List*Hydrated Aluminium Silicate*

1-5%

aluminium oxide

1-5%

2-aminoethanol

<1%

silica

10-30%

Pennsylvania "Right To Know" List*Hydrated Aluminium Silicate*

1-5%

aluminium oxide

1-5%

2-aminoethanol

<1%

silica

10-30%

Inventories**Canada - DSL/NDL**

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

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C-32 Ochre

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0 Nepheline Syenite 37244-96-5
Revision date	5/8/2017
Revision	13
Supersedes date	5/8/2017
SDS No.	5981

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.

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SAFETY DATA SHEET
C-5 Charcoal

30489-2136

1. Identification**Product identifier****Product name** C-5 Charcoal**Product number** 39426F**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**

--

Inhalation Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-5 Charcoal**Most important symptoms and effects, both acute and delayed**

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)

Revision date: 5/8/2017

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C-5 Charcoal

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-5 Charcoal

Oxidizing properties none

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.

Revision date: 5/8/2017

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C-5 Charcoal**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

aluminium oxide

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Rhode Island "Right To Know" List

Revision date: 5/8/2017

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C-5 Charcoal*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Minnesota "Right To Know" List*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

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

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

Pennsylvania "Right To Know" List*aluminium oxide*

1-5%

Hydrated Aluminium Silicate

1-5%

2-aminoethanol

<1%

silica

10-30%

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.

Revision date: 5/8/2017

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C-5 Charcoal**16. Other Information****General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0
Nepheline Syenite 37244-96-5

Revision date

5/8/2017

Revision

14

Supersedes date

5/8/2017

SDS No.

5982

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.

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Item Numbers: 30489-1003

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Revision: 10

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30489-5926

SAFETY DATA SHEET
C-25 Downpour**1. Identification****Product identifier****Product name** C-25 Downpour**Product number** 39428L**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** --**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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MSDS for #30489 - CELADN HGHFIR GLAZE

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C-25 Downpour**Most important symptoms and effects, both acute and delayed**

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)

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C-25 Downpour

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 10

Supersedes date: 5/8/2017

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C-25 Downpour**Oxidizing properties** none**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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 10

Supersedes date: 5/8/2017

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C-25 Downpour**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

aluminium oxide

1-5%

2-aminoethanol

<1%

silica

10-30%

Hydrated Aluminium Silicate

1-5%

Rhode Island "Right To Know" List

Revision date: 5/8/2017
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C-25 Downpour

aluminium oxide
1-5%

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

Minnesota "Right To Know" List

aluminium oxide
1-5%

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

New Jersey "Right To Know" List

aluminium oxide
1-5%

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

Pennsylvania "Right To Know" List

aluminium oxide
1-5%

2-aminoethanol
<1%

silica
10-30%

Hydrated Aluminium Silicate
1-5%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

All the ingredients are listed or exempt.

Revision date: 5/8/2017

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C-25 Downpour**16. Other Information****General Information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0
Nepheline Syenite 37244-96-5

Revision date

5/8/2017

Revision

10

Supersedes date

5/8/2017

SDS No.

5978

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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 14

Supersedes date: 5/8/2017

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30489-3010

SAFETY DATA SHEET
C-55 Poppy**1. Identification****Product identifier**

Product name C-55 Poppy
Product number 39431K

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**

--

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

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.

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Supersedes date: 5/6/2017 Page 2 of 7

C-55 Poppy**Most important symptoms and effects, both acute and delayed**

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.
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5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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Special hazards arising from the substance or mixture

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

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	For personal protection, see Section 8.
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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.
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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.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place.
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Specific end uses(s)

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C-55 Poppy

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

Revision date: 5/6/2017
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Revision: 14

Supersedes date: 5/6/2017

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C-55 Poppy

Oxidizing properties none

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 InformationInformation 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/irritationSkin 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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 14

Supersedes date: 5/20/17

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C-55 Poppy**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.

Massachusetts "Right To Know" List**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Rhode Island "Right To Know" List

Revision date: 5/8/2017

Revision: 14

Supersedes date: 5/8/2017

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C-55 Poppy**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Minnesota "Right To Know" List**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

New Jersey "Right To Know" List**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Pennsylvania "Right To Know" List**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 14

Supersedes date: 5/8/2017 Page 7 of 7

C-55 Poppy**16. Other Information****General information**

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-
0
Nepheline Syenite 37244-96-5

Revision date 5/8/2017**Revision** 14**Supersedes date** 5/8/2017**SDS No.** 5983

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.

Revision date: 5/8/2017

MSDS for #30489 - CELADN HGHFIR GLAZE

Revision: 15

Supersedes date: 5/8/2017

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SAFETY DATA SHEET
C-65 Tangelo

30489-4636

1. Identification**Product identifier****Product name** C-65 Tangelo**Product number** 39432M**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** --**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.**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.

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C-65 Tangelo**Most important symptoms and effects, both acute and delayed**

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)

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Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

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 ventilation 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.
Vapor pressure	No information available.
Relative density	Greater than 1.0
Solubility(ies)	Not applicable.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	none

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C-65 Tangelo**Oxidizing properties** none**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.

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C-65 Tangelo**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**Hydrated Aluminium Silicate**

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Rhode Island "Right To Know" List

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Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Minnesota "Right To Know" List

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

New Jersey "Right To Know" List

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

silica

10-30%

2-aminoethanol

<1%

Pennsylvania "Right To Know" List

Hydrated Aluminium Silicate

1-5%

aluminium oxide

1-5%

silica

10-30%

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.

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16. Other Information

General Information

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water
7732-18-5, Crystalline Silica 14808-60-7, Non Lead Frit 65997-18-4, Calcium Silicate 13983-17-0
Nepheline Syenite 37244-96-5

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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.

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