# SAFETY DATA SHEET LG 1 TRUE BLACK

1. Identification			
Product identifier			
Product name	LG 1 TRUE BLACK		
Product number	LG 1 TRUE BLACK		
Recommended use of the che	mical and restrictions on use		
Application	Ceramic Glaze		
Details of the supplier of the s	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	<u>r</u>		
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST		
2. Hazard(s) identification			
Classification of the substance	e 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 measur	es		
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	l 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 medica	al 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	ne 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 measure	s
Personal precautions, protectiv	ve 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 conta	ainment 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, in	cluding 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

Item Numbers: 30450-0129

Page 2 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	ects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign req	uired.
Packing group	
Not applicable.	
Environmental hazards	
	substance any environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 Care None of the ingredients are list	<b>cinogens and Reproductive Toxins</b> sted or exempt.
Inventories	
Canada - DSL/NDSL All the ingredients are listed o	pr exempt.
<b>US - TSCA</b> All the ingredients are listed o	pr exempt.
US - TSCA 12(b) Export Notif	
16. Other information	

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5234

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

# SAFETY DATA SHEET LG 10 CLEAR TRANSPARENT

1. Identification			
Product identifier			
Product name	LG 10 CLEAR TRANSPARENT		
Product number	LG 10 CLEAR TRANSPARENT		
Recommended use of the che	mical and restrictions on use		
Application	Ceramic Glaze		
Details of the supplier of the s	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	<u>r</u>		
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST		
2. Hazard(s) identification			
Classification of the substance	e 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 measur	es		
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	l 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.		

Revision: 4

LG 10 CLEAR TRANSPARENT

Storage precautions Specific end uses(s) Specific end use(s)	Store in tightly-closed, original container in a dry and cool place. The identified uses for this product are detailed in Section 1.2.	
	Store in tightiy-closed, original container in a dry and cool place.	
Storage precautions	Store in tightiy-closed, original container in a dry and cool place.	
Conditions for safe storage, including any incompatibilities		
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.	
Precautions for safe handling		
7. Handling and storage		
Reference to other sections	For waste disposal, see Section 13. For personal protection, see Section 8.	
Methods for cleaning up	Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.	
Methods and material for cont		
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.	
Personal precautions	For personal protection, see Section 8.	
Personal precautions, protecti	ive equipment and emergency procedures	
6. Accidental release measures		
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.	
Advice for firefighters		
Special hazards arising from t Specific hazards	The product is not believed to present a hazard due to its physical nature.	
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.	
Extinguishing media	Lies fire extinguishing modio quitable for the ourse unding fire	
5.Fire-fighting measures		
Notes for the doctor	Treat symptomatically.	
	al attention and special treatment needed	
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.	
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.	
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.	

Item Numbers: 30450-0129

Page 8 of 72

# LG 10 CLEAR TRANSPARENT

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

# LG 10 CLEAR TRANSPARENT

10 Stability and reactivity	
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 eff	rects
Toxicological effects	Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).
Acute toxicity - inhalation ATE inhalation (dusts/mists mg/l)	17.16
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	

Item Numbers: 30450-0129

Page 10 of 72

# LG 10 CLEAR TRANSPARENT

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	
Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign re	aquired.
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous	Substance
Please refer to Section 2 for please verify packaging and	any environmental hazards associated with this product. If H411/H412 warnings are shown then labeling requirements for larger volumes.
Special precautions for user	
Not applicable.	
Transport in bulk according Annex II of MARPOL 73/78 and the IBC Code	to Not applicable.
15. Regulatory information	
US State Regulations California Proposition 65 Ca None of the ingredients are	arcinogens and Reproductive Toxins listed or exempt.

#### Inventories

**Canada - DSL/NDSL** All the ingredients are listed or exempt.

#### US - TSCA

All the ingredients are listed or exempt.

### LG 10 CLEAR TRANSPARENT

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

All the ingredients are listed or exempt.

16. Other information	
General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/5/2016
Revision	4
Supersedes date	4/4/2016
SDS No.	5236

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

# SAFETY DATA SHEET LG 14 GRAY

1. Identification	
Product identifier	
Product name	LG 14 GRAY
Product number	LG 14 GRAY
Recommended use of the ch	nemical 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	er
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST
2. Hazard(s) identification	
Classification of the substand	ce 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 o	n 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 measu	ures
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 ar	nd 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.

LG 14 GRAY

#### 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. Read Section 2 for any specific precautions associated with the use of this product. In general Eye contact 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 Use protective equipment appropriate for surrounding materials. for firefighters 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 Store in tightly-closed, original container in a dry and cool place. Storage precautions 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

Item Numbers: 30450-0129

Page 14 of 72

#### LG 14 GRAY

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

#### 10. Stability and reactivity Reactivity There are no known reactivity hazards associated with this product. Stability No particular stability concerns. Possibility of hazardous None known. reactions Conditions to avoid None known. Materials to avoid None known. Hazardous decomposition None known. products 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 Semi-mobile. Mobility Results of PBT and vPvB assessment Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment Other adverse effects

#### LG 14 GRAY

### LG 14 GRAY

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 re	quired.
Packing group	
Not applicable.	
Environmental hazards	
<b>Environmentally Hazardous</b> Please refer to Section 2 for please verify packaging and	Substance any environmental hazards associated with this product. If H411/H412 warnings are shown then labeling requirements for larger volumes.
Special precautions for user	
Not applicable.	
Transport in bulk according t Annex II of MARPOL 73/78 and the IBC Code	<b>to</b> Not applicable.
15. Regulatory information	
US State Regulations California Proposition 65 Ca None of the ingredients are	arcinogens and Reproductive Toxins listed or exempt.
Inventories	
<b>Canada - DSL/NDSL</b> All the ingredients are listed	or exempt.
<b>US - TSCA</b> All the ingredients are listed	l or exempt.
US - TSCA 12(b) Export No All the ingredients are listed	
16. Other information	

Page 17 of 72

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5240

#### LG 14 GRAY

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

# SAFETY DATA SHEET LG 21 DARK BLUE

1. Identification	
Product identifier	
Product name	LG 21 DARK BLUE
Product number	LG 21 DARK BLUE
Recommended use of the ch	nemical 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 numb	er
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST
2. Hazard(s) identification	
Classification of the substan	ce or mixture
Physical hazards	Not Classified
Health hazards	Not Classified
Label elements	
Hazard statements	NC Not Classified
Other hazards	
none present.	
3. Composition/information of	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 measured	ures
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 a	nd 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 medica	al 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	he 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 measure	s
Personal precautions, protectiv	ve 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 conta	ainment 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, in	cluding 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

Item Numbers: 30450-0129

Page 20 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

10. Stability and reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
Reduinty	
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 eff	iects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.	
13. Disposal considerations		
Waste treatment methods		
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.	
14. Transport information		
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).	
UN Number		
Not applicable.		
UN proper shipping name		
Not applicable.		
Transport hazard class(es)		
No transport warning sign red	quired.	
Packing group		
Not applicable.		
Environmental hazards		
<b>Environmentally Hazardous Substance</b> 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	o 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 Not All the ingredients are listed		
16. Other information		

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	4
Supersedes date	3/10/2016
SDS No.	5243

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

# SAFETY DATA SHEET LG 24 LIGHT BLUE

1. Identification	
Product identifier	
Product name	LG 24 LIGHT BLUE
Product number	LG 24 LIGHT BLUE
Recommended use of the ch	emical 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	ze 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 o	n ingredients
<u>Mixtures</u> 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 measu	
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 an	d 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 medica	al 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	ne 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 measure	S
Personal precautions, protectiv	ve 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 conta	ainment 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, in	cluding 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

Item Numbers: 30450-0129

Page 26 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	rects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.	
13. Disposal considerations		
Waste treatment methods		
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.	
14. Transport information		
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).	
UN Number		
Not applicable.		
UN proper shipping name		
Not applicable.		
Transport hazard class(es)		
No transport warning sign req	uired.	
Packing group		
Not applicable.		
Environmental hazards		
Environmentally Hazardous S Please refer to Section 2 for a please verify packaging and la	<b>ubstance</b> ny environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 Care None of the ingredients are lis	c <b>inogens and Reproductive Toxins</b> sted or exempt.	
Inventories Canada - DSL/NDSL All the ingredients are listed o	or exempt.	
<b>US - TSCA</b> All the ingredients are listed of	or exempt.	
US - TSCA 12(b) Export Notif All the ingredients are listed of		
16. Other information		

Page 29 of 72

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5246

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

# SAFETY DATA SHEET LG 36 FRECKLED BROWN

1. Identification			
Product identifier			
Product name	LG 36 FRECKLED BROWN		
Product number	LG 36 FRECKLED BROWN		
Recommended use of the che	emical and restrictions on use		
Application	Ceramic Glaze		
Details of the supplier of the s	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 numbe	<u>r</u>		
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST		
2. Hazard(s) identification			
Classification of the substanc	e or mixture		
Physical hazards	Not Classified		
Health hazards	Not Classified		
Label elements			
Hazard statements	NC Not Classified		
Other hazards			
none present.			
3. Composition/information or	n 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 measured	res		
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	d 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.		

8. Exposure Controls/persona	protection
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Specific end uses(s)	
Storage precautions	Store in tightly-closed, original container in a dry and cool place.
Conditions for safe storage, in	cluding any incompatibilities
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.
7. Handling and storage	
Reference to other sections	For waste disposal, see Section 13. For personal protection, see Section 8.
Methods for cleaning up	Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.
Methods and material for cont	
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.
Environmental precautions	
Personal precautions, protecti Personal precautions	Ve equipment and emergency procedures For personal protection, see Section 8.
6. Accidental release measure	
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
Advice for firefighters	
Specific hazards	The product is not believed to present a hazard due to its physical nature.
Special hazards arising from t	
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
5.Fire-fighting measures Extinguishing media	
	Treat symptomatically.
Indication of immediate medic Notes for the doctor	al attention and special treatment needed
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.
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.
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.

Item Numbers: 30450-0129

Page 32 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	ects	
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		

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	This package is shipped in accordance with ADR SP375, IATA A197 & IMDG 2.10.2.7.
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign requ	uired.
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous Su Please refer to Section 2 for an please verify packaging and la	<b>ubstance</b> ny environmental hazards associated with this product. If H411/H412 warnings are shown then Ibelling 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 Caro None of the ingredients are lis	sinogens and Reproductive Toxins sted or exempt.
Inventories	
Canada - DSL/NDSL All the ingredients are listed o	r exempt.
<b>US - TSCA</b> All the ingredients are listed o	r exempt.
US - TSCA 12(b) Export Notifi All the ingredients are listed o	
16. Other information	

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/18/2016
Revision	4
Supersedes date	4/4/2016
SDS No.	5253

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 LG 40 DARK GREEN

1. Identification		
Product identifier		
Product name	LG 40 DARK GREEN	
Product number	LG 40 DARK GREEN	
Recommended use of the che	emical 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 numbe	<u>r</u>	
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST	
2. Hazard(s) identification		
Classification of the substanc	e 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 or	n 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 measu	res	
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	d 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 medica	al 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	ne 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, protectiv	ve 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 conta	ainment 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, in	cluding 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		

#### Item Numbers: 30450-0129

Page 38 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	ects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign rec	juired.
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous S Please refer to Section 2 for a please verify packaging and I	Substance any environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 Car All the ingredients are listed of	<b>cinogens and Reproductive Toxins</b> or exempt.
Inventories Canada - DSL/NDSL All the ingredients are listed of	pr exempt.
<b>US - TSCA</b> All the ingredients are listed o	or exempt.
US - TSCA 12(b) Export Noti All the ingredients are listed o	
16. Other information	

Page 41 of 72

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5254

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

# SAFETY DATA SHEET LG 50 MAROON

1. Identification		
Product identifier		
Product name	LG 50 MAROON	
Product number	LG 50 MAROON	
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 substand	ce 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 o	n 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 measu	ires	
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 an	d 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 medica	al 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	ne 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 measure	8	
Personal precautions, protectiv	ve 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, in	cluding 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	

Item Numbers: 30450-0129

Page 44 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

10. Stability and 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       None known.         Information on toxicological effects       Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).         Skin corrosion/inflation       Skin sensitization         Skin sensitization       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological information       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 listed of is 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 H411 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 H411 listed in Section 2, please use appropriate procedures when disposing of product and container. Do no	
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       None known.         Information on 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 corrosion/Irritation         Skin sensitization       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological Information       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.         Porsistence and degradability       No data available.	
Possibility of hazardous reactions       None known.         Conditions to avoid       None known.         Materials to avoid       None known.         Materials to avoid       None known.         Hazardous decomposition products       None known.         11. Toxicological information       None known.         Information on toxicological effects       Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).         Skin corrosion/irritation       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological Information       Itsee read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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 H41 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 H41 listed in Section 2, please use appropriate procedures when dispos	
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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/inflation       Skin sensitization         Skin sensitization       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological Information       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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 H41 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       No data available.	
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products         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 H41 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 H41 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 H41 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       No data available.	
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Eye contact       May cause temporary eye irritation.         12. Ecological Information       Information         Ecotoxicity       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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       No data available.	
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Ecotoxicity       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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 H41 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       No data available.	
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Toxicity       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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       No data available.	12 are
Issted in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.         Persistence and degradability         No data available.	
Persistence and degradability No data available.	12 are
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       This product does not contain any substances classified as PBT or vPvB.         assessment       This product does not contain any substances classified as PBT or vPvB.	
Other adverse effects	

Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign req	uired.
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous S	ubstance
Please refer to Section 2 for a please verify packaging and la	ny environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 Care None of the ingredients are lis	cinogens and Reproductive Toxins sted or exempt.
Inventories	
Canada - DSL/NDSL	
All the ingredients are listed of	or exempt.
US - TSCA	
All the ingredients are listed of	or exempt.
US - TSCA 12(b) Export Notif	
All the ingredients are listed of	pr exempt.

#### 16. Other information

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5260

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

# SAFETY DATA SHEET LG 55 PURPLE

1. Identification		
Product identifier		
Product name	LG 55 PURPLE	
Product number	LG 55 PURPLE	
Recommended use of the ch	emical 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	æ 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 o	n ingredients	
<u>Mixtures</u> 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 measu	res	
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 an	d 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.	

LG 55 PURPLE

#### 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. Read Section 2 for any specific precautions associated with the use of this product. In general Eye contact 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 Use protective equipment appropriate for surrounding materials. for firefighters 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 Store in tightly-closed, original container in a dry and cool place. Storage precautions 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

Item Numbers: 30450-0129

Page 50 of 72

### LG 55 PURPLE

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

### LG 55 PURPLE

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 eff	ects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

## LG 55 PURPLE

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 requ	ired.	
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 Carci None of the ingredients are list Inventories Canada - DSL/NDSL All the ingredients are listed or US - TSCA All the ingredients are listed or US - TSCA 12(b) Export Notified	exempt.	
All the ingredients are listed or		

16. Other information

Page 53 of 72

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5264

### LG 55 PURPLE

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

# SAFETY DATA SHEET LG 59 HOT RED

1. Identification		
Product identifier		
Product name	LG 59 HOT RED	
Product number	LG 59 HOT RED	
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 numb	er	
Emergency telephone	1 317 244 6871 Mon-Fri, 0900-1700 EST	
2. Hazard(s) identification		
Classification of the substan	ce 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 of	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 measured	ures	
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 a	nd 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. Read Section 2 for any specific precautions associated with the use of this product. In general Eye contact 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 Use protective equipment appropriate for surrounding materials. for firefighters 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 Store in tightly-closed, original container in a dry and cool place. Storage precautions 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

Item Numbers: 30450-0129

Page 56 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	ects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign requ	uired.
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous S	ubstance
Please refer to Section 2 for a please verify packaging and la	ny environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 Caro None of the ingredients are lis	cinogens and Reproductive Toxins sted or exempt.
Inventories Canada - DSL/NDSL All the ingredients are listed o	or exempt.
<b>US - TSCA</b> All the ingredients are listed o	or exempt.
US - TSCA 12(b) Export Notif All the ingredients are listed o	

16. Other information

Page 59 of 72

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc
	Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5267

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

# SAFETY DATA SHEET LG 61 CANARY YELLOW

1. Identification		
Product identifier		
Product name	LG 61 CANARY YELLOW	
Product number	LG 61 CANARY YELLOW	
Recommended use of the ch	emical 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	e 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 of	n 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 measu	res	
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 an	d 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.	

Conditions for safe storage, in Storage precautions Specific end uses(s) Specific end use(s) 8. Exposure Controls/persona	Store in tightly-closed, original container in a dry and cool place. The identified uses for this product are detailed in Section 1.2.
Storage precautions	hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.
<b>u</b>	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, in	hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.
	hygiene procedures should be implemented. Wash hands and any other contaminated areas
Precautions for safe handling Usage precautions	
7. Handling and storage	
Reference to other sections	For waste disposal, see Section 13. For personal protection, see Section 8.
Methods for cleaning up	Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.
Methods and material for cont	tainment and cleaning up
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.
Personal precautions	For personal protection, see Section 8.
Personal precautions, protect	ive equipment and emergency procedures
6. Accidental release measure	es
Advice for firefighters Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
Specific hazards	The product is not believed to present a hazard due to its physical nature.
Special hazards arising from t	
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
Extinguishing media	
5.Fire-fighting measures	
Notes for the doctor	Treat symptomatically.
Indication of immediate medic	cal attention and special treatment needed
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.
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.
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.

Item Numbers: 30450-0129

Page 62 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

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 eff	ects
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 asse	essment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Other adverse effects	

Other adverse effects	None known.
13. Disposal considerations	
Waste treatment methods	
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
No transport warning sign requ	ired.
Packing group	
Not applicable.	
Environmental hazards	
please verify packaging and lal	<b>Ibstance</b> by environmental hazards associated with this product. If H411/H412 warnings are shown then beling 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 Carci None of the ingredients are list	i <b>nogens and Reproductive Toxins</b> ted or exempt.
Inventories	
Canada - DSL/NDSL	
All the ingredients are listed or	exempt.
<b>US - TSCA</b> All the ingredients are listed or	exempt.
US - TSCA 12(b) Export Notifie	cation
All the ingredients are listed or	exempt.
16. Other information	

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5269

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

# SAFETY DATA SHEET LG 68 VIVID ORANGE

1. Identification		
Product identifier		
Product name	LG 68 VIVID ORANGE	
Product number	LG 68 VIVID ORANGE	
Recommended use of the ch	emical 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 substand	ce 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 o	n ingredients	
<u>Mixtures</u> 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 measu	ires	
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 an	d 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 medica	al 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	ne 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 measure	S
Personal precautions, protectiv	ve 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 conta	ainment 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, in	cluding 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

Item Numbers: 30450-0129

Page 68 of 72

Ingredient comments	Only ingredients listed n Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.
Exposure controls	
Appropriate engineering controls	No specific ventilations requirements unless the "FAN" pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the "HAND PROTECTION" pictogram is shown above or specified in Section 2.
Hygiene measures	Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.
Respiratory protection	No specific respiratory protection required unless the "RESPIRATOR" pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

#### 9. Physical and Chemical Properties

# Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Various colors.
Odor	Almost odorless.
Odor threshold	No information available.
рН	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.

10. Stability and 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       None known.         Information on toxicological effects       Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).         Skin corrosion/initiation       Skin sensitization         Skin sensitization       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological Information       Iisted in Section 2 completely. If any environmental warnings such as; H411 or H41 listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or severs.         Toxicity       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or severs.         Toxicity       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put			
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       None known.         Information on 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       Itsee read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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 H41 listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.         Presistence and degradability       Section 2, please use appropri			
Possibility of hazardous       None known.         reactions       None known.         Materials to avoid       None known.         Materials to avoid       None known.         Hazardous decomposition products       None known.         11. Toxicological information       None known.         Information on toxicological effects       Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).         Skin corrosion/irritation       Based on available data the classification criteria are not met.         Eye contact       May cause temporary eye irritation.         12. Ecological Information       Please read Section 2 completely. If any environmental warnings such as; H411 or H41 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 H41 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 H41 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 H41 listed in Section 2, please use appropriate procedures when disposing of product and			
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	12 are		
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       This product does not contain any substances classified as PBT or vPvB.         assessment       This product does not contain any substances classified as PBT or vPvB.			
Other adverse effects			

Other adverse effects	None known.	
13. Disposal considerations		
Waste treatment methods		
General information	Dispose of waste product or used containers in accordance with local regulations When handling waste, the safety precautions applying to handling of the product should be considered.	
14. Transport information		
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).	
UN Number		
Not applicable.		
UN proper shipping name		
Not applicable.		
Transport hazard class(es)		
No transport warning sign requ	uired.	
Packing group		
Not applicable.		
Environmental hazards		
Environmentally Hazardous S	ubstance	
Please refer to Section 2 for a please verify packaging and la	ny environmental hazards associated with this product. If H411/H412 warnings are shown then abeling 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 of	r exempt.	
<b>US - TSCA</b> All the ingredients are listed o	r exempt.	
US - TSCA 12(b) Export Notif All the ingredients are listed o		

16. Other information

General information	The following are the top 5 materials by weight listed for New Jersey (if applicable):- Water 7732-18-5, Non Lead Frit65997-18-4, Feldspar68476-25-5, Crystalline Silica14808-60-7, Zinc Oxide1314-13-2
Revision date	4/4/2016
Revision	3
Supersedes date	3/10/2016
SDS No.	5275

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.