

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier			
G and GT Series Colors (G301, G304, G310, G314, G334, G336, G338, G340, G351, G352, G355, G367, G3003, GT411, GT416, GT422, SSB101)			
Product Use			
Glass enamels / Colorant			
Manufacturer's Name		Supplier's Name	
Colors for Earth, LLC			
Street Address		Street Address	
104 Finneyoaks Lane			
City	Province	City	Province
Weatherford	TX		
Postal Code	Emergency Telephone	Postal Code	Emergency Telephone
76085	817-366-8428		
Date SDS Prepared/Revised		SDS Prepared By	
3/30/2018		SDS Department	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS (also see addendum)

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Crystalline Silica*		14808-60-7		
Crystalline Silica only becomes a hazard when dispersed in the air or when this product is sprayed.				
Aluminum Hydrate*		21645-51-2		
TiO2*		13463-67-7		
Zircon*		7440-67-2		
Encap Cadmium**		72828-62-7		
Cobalt zinc silicate**		68412-74-8		
Chromium (III) Compound**		none		
Nickle Compound**		none		
<p>* The exact percentage of composition has been withheld as a trade secret.</p> <p>**These colors are inorganic products of fusion at high temperatures; as a result, the individual constituents are rendered essentially inert and do not exhibit the same chemical properties as if they existed ion the pure state.</p>				

SECTION 3 — HAZARDS IDENTIFICATION

The potential hazardous ingredients (listed in section 2) have been chemically reacted at high temperatures and are homogeneously and ionically interdiffused to form essentially insoluble pigment crystals with a crystalline matrix of spinel. This means they do not necessarily have any of the properties of its component oxides or metals.					
Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
Potential Health Effects: Long term inhalation of silica dust or mists, over an extended period of time may result in injury to the lungs or silicosis					

SECTION 4 — FIRST AID MEASURES

Skin Contact:
Wash affected area with plenty of water and soap, for several minutes.

Eye Contact: Immediate flush eyes for at least 15 min with running water. Hold eyelids apart to insure rinsing of the entire eye surface and lids with water. Get immediate attention if irritation develops.
Inhalation: If inhaled, remove from the area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction: Water mist; CO2, Dry Chemical, Foam		
Flashpoint (° C) and Method Not Applicable	Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A
Autoignition Temperature (°C) N/A	Explosion Data — Sensitivity to Impact N/A	Explosion Data — Sensitivity to Static Discharge N/A
Hazardous Combustion Products No polymerization but toxic fumes may be released when material is melted. Material is stable,		
[NFPA] Fire fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Uncontaminated material may be recovered and used, otherwise clean up with paper towels and dispose of in trash receptacle. Avoid generation of dust. Do not flush into surface water or sanitary sewer system.

SECTION 7 — HANDLING AND STORAGE

Handling Procedure
Avoid contact with eyes and clothing. Use adequate ventilation. Minimize dust generation during handling. If spraying, use NIOSH approved respirator for dust and mist is required. Practice good housekeeping.
Storage Requirements
Close lid tightly to prevent dust generation. Store in dry area.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)			
Specific Engineering Controls (such as ventilation, enclosed process): use in well ventilated areas.						
Personal Protective Equipment	Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input checked="" type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, please specify type Goggles; clothing to cover legs and arms. Use in well ventilated area						

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder	Odor and Appearance Varied colors	Odor Threshold (ppm) none
Specific Gravity	Vapor Density (air = 1) 1	Vapor N/A Pressure (mmHg)
Evaporation Rate	Boiling Point (° C) N/A	Freezing Point (° C) N/A
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] insoluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <div>X Yes <input type="checkbox"/> No</div>	If no, under which conditions?
Incompatibility with Other Substances <div><input type="checkbox"/> Yes X No</div>	If yes, which ones?
Reactivity, and under what conditions? No reactivity	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Skin irritation; respiratory irritation; eye irritation	
Effects of chronic exposure: Prolonged inhalation of silica dust or mists, over an extended period of time may result in injury to the lungs or silicosis.	
Irritancy of Product: Abrassive	
Skin sensitization	Respiratory sensitization
Carcinogenicity-IARC: Listed as suspected carcinogens	Carcinogenicity - ACGIH
Reproductive toxicity: unknown	Teratogenicity: unknown
Embryotoxicity: unknown	Mutagenicity: unknown
Name of synergistic products/effects	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]: Do Not disperse in ponds or bodies of water

13 — DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with Federal, State and Local regulations
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SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information: Protect against physical damage	
PIN	
TDG : UN2570	[DOT] UN 2570
[IMO]	[ICAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] : D2B; D2A	[OSHA]:
[SERA]:	[TSCA]: Not subject to TSCA 12 (b)

SECTION 16 — OTHER INFORMATION

The information and recommendations contained in this SDS have been compiled from sources believed to be reliable and represent the most reasonable current opinion on the subject when this SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of these products must decide what safety measures are necessary to safely use these products, either alone or in combination with other products, and determine the environmental regulatory compliance obligations under any applicable federal, state or local laws.

Addendum:

Other CAS numbers:

58339-34-7

68412-74-8

68187-11-1

End of SDS