

# SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier			
<b>Outline Series and Paste Series</b>			
<b>GO-330, GO-331, BLFP, WLFP</b>			
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

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
Crystalline Silica*		60676-86-0		
Crystalline Silica only becomes a hazard when dispersed in the air or when this product is sprayed.				
Aluminum Oxide (component of frit)**		1344-28-1		
Calcium Oxide(component of frit)**		1305-78-8		
Boron Oxide(component of frit)**		1303-86-2		
Aqua Ammonia	<0.2	1336-21-6		
Zircon**		7440-67-2		
* The exact percentage of composition has been withheld as a trade secret.				
**The compounds are present only as ingredients in frit (CAS#65997-18-4				

### 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 <b>Not Applicable</b>	Upper Flammable Limit (% by volume) <b>N/A</b>	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 N/A		
[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.

## SECTION 7 — HANDLING AND STORAGE

### Handling Procedure

Avoid contact with eyes and clothing. Use adequate ventilation. If spraying, use NIOSH approved respirator for dust and mist is required. Practice good housekeeping.

Close lid tightly to prevent drying out. Store in dry area.

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

### Exposure Limits

ACGIH TLV

OSHA PEL

Other (*specify*)

Specific Engineering Controls (*such as ventilation, enclosed process*)

Personal Protective Equipment    Gloves     Respirator

Eye

Footwear

Clothing

Other

If checked, please specify type  
Goggles; clothing to cover legs and arms.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State White or Black Paste	Odor and Appearance White or black	Odor Threshold (ppm) Slight ammonia odor
Specific Gravity	Vapor Density (air = 1) 1	Vapor Pressure (mmHg)
Evaporation Rate	Boiling Point (° C) 212 F	Freezing Point (° C) 32 F
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] Dilutable

Chemical Stability  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
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## SECTION 10 — STABILITY AND REACTIVITY

Incompatibility with Other Substances  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
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Reactivity, and under what conditions?
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## 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: Abrasive	
Skin sensitization	Respiratory sensitization
Carcinogenicity-IARC: Possible carcinogenic	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

## SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information: Protect against physical damage

PIN

TDG

[DOT]

Non – Hazardous; Not regulated for transport

[IMC] Not dangerous for transport

[ICAO]

## SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] HMIS - Health – 1; Fire – 0; Reactivity - 0

[OSHA]

[SERA] not hazardous

[TSCA]

## SECTION 16 — OTHER INFORMATION

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified .