

# Material Safety Data Sheet



<b>Section I. PRODUCT INFORMATION</b>			
Product Name: VitroHue®		CAS No. 65997-17-3	
Chemical Name: Soda-Lime Silicon Dioxide Glass			
Description: Aggregates, sand and tumbled glass manufactured from recycled glass			
DOT Identification: Not regulated by DOT			
<b>Section II. HAZARDOUS INGREDIENTS</b>			
Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200, <i>Hazard Communication</i> .			
Contains no free (or crystalline) silica; all components are amorphous/non-crystalline; chemicals used to produce glass are not available to the environment unless the product is heated above 2,000°F or ground to an extremely fine particle size. Dust normally is a nuisance except caution is to be exercised from exposure to dust generated by grinding stained glass.			
OSHA PEL/TWA limit is 10mg/m3		ACGIH TLV-TWA limit is 0.05 mg/m3 (crystalline silica)	
Many stained glass products are made with metal oxides. While the metals are bound up in a glass matrix, grinding to an extremely fine mesh size can liberate some of the metals in the glass. Normal grinding will generally not produce "glass flour or powder" fine enough to liberate any metals. A NIOSH approved dust mask, at a minimum, should be worn during grinding. TriVitro recommends the use of a respirator outfitted with a HEPA (High Efficiency Particulate Absolute) filter to provide the greatest measure of personal protection. Good exhaust ventilation is recommended.			
<b>Section III. PHYSICAL DATA</b>			
Boiling Point (°F): Approx. 2500°F		Solubility in Water: Insoluble	Specific Gravity: 2.5
Vapor Pressure: N/A		Evaporation Rate: N/A	% Volatile by Volume: N/A
Vapor Density: N/A		Appearance & Odor: Odorless, transparent or colored particulate	
<b>Section IV. FIRE &amp; EXPLOSION DATA</b>			
Non-flammable and non-hazardous inorganic material			
<b>Section V. REACTIVITY DATA</b>			
Stability: Material is stable		Hazardous Polymerization: Will not occur	
Materials to Avoid: Hydrofluoric Acid		Hazardous Decomposition Products: None	
<b>Section VI. HEALTH HAZARD DATA</b>			
Nuisance Dust (total): 10 mg/m <sup>3</sup> TLV (units) depends upon particle size			
Nuisance Dust (Respirable): 5 mg/m <sup>3</sup> TLV (units) depends upon particle size			
Routes of Entry:	Lungs (breathing): Yes	Ingestion: No	Skin: No
Health Hazard (Acute & Chronic): Dust in excess of recommended exposure limits may result in irritation to the respiratory tract.			
Carcinogenicity	NTP Not Listed	IARC Monographs: Not Listed	OSHA Regulation: Not Listed
Signs & Symptoms of Exposure: Eye and respiratory irritation may result if recommended exposure limits are exceeded; product may cut or scratch skin; sneezing, runny eyes and coughing may result from over exposure to glass dust.			
Medical Conditions Generally Aggravated by Exposure: Chronic lung conditions may be aggravated by exposure to high concentrations of dust.			
Emergency & First Aid Procedures:		Eyes: Flush thoroughly with water. See a physician if discomfort persists.	
		Respiratory: Remove to fresh air	
<b>Section VII. PRECAUTIONS FOR SAFE HANDLING &amp; USE</b>			
Steps to be taken in case of material spill: Sweep up and discard; avoid excessive dusting			
Waste Disposal Method: Dispose in approved landfill in accordance with federal, state and local regulations.			
Precautions for handling & storing: Spillage may result in slippery conditions. When transferring material, care should be taken to avoid dusting.			
This material is not a SARA Title III reportable substance.			
<b>Section VIII. CONTROL MEASURES</b>			
Respiratory protection: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved respirators			
Ventilation: Local exhaust		Protective Gloves: None	
Eye Protection: NIOSH-approved safety glasses or goggles (tight fitting recommended)			
Other Protective Clothing or Equipment: None required.			

**Abbreviations:**  
 N/A - Not Applicable  
 mg/m<sup>3</sup> - milligrams per cubic meter  
 TLV - threshold limit value  
 NIOSH - National Institute of Safety and Health

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