



# MATERIAL SAFETY DATA SHEET

<b>PRODUCT NAME:</b> SEAL-KRETE COLOR QUARTZ					
<b>PRODUCT NUMBERS:</b> 955001, 955002, 955003, 955004, 955005, 955006, 955007, 955008, 955009, 955010, 955999					
<b>SECTION 2 - HAZARDS IDENTIFICATION (Continued)</b>					
<b>CHRONIC EXPOSURE EFFECTS</b>					
Warning! Chronic inhalation of silica and titanium dioxide in dried product dusts generated by sanding or grinding may produce silicosis; and /or lung cancer, chronic skin exposure may result in rash. Additionally chronic inhalation of dried product dusts when sanding or grinding present a possible cancer hazard based on animal and human data. Target organs: Respiratory system.					
<b>CARCINOGENICITY:</b>					
NTP? <b>No</b>		IARC MONOGRAPHS? <b>Yes - Titanium Dioxide Group 2B Carcinogen</b>		OSHA REGULATED? <b>No</b>	
CALIFORNIA, Prop.65? <b>Yes - Silica (Respirable Quartz Impurities) Group 1 Confirmed carcinogen to humans. (see section 15)</b>			ESIS NOTATION? <b>Yes - Silica, Titanium Dioxide Respirable dusts. R40.</b>		
<b>SECTION 3 - HAZARDOUS INGREDIENTS</b>					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
Silica (Sand)	80-95%	14808-60-7	238-878-4	None	R40 (respirable)
Titanium dioxide	0.1-2%	13463-67-7	236-675-5	Xn	R40 (respirable)
<b>NOTES:</b> This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.					
<b>SECTION 4 - FIRST AID MEASURES</b>					
<b>INHALATION:</b>					
Remove victim from exposure area into fresh air. If breathing becomes labored or ceases, obtain immediate medical attention.					
<b>EYES:</b>					
Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.					
<b>SKIN:</b>					
Wash with mild soap and water. See a physician if irritation persists.					
<b>INGESTION:</b>					
Do not induce vomiting. Give water to drink. Get medical aid immediately. Call a poison control center.					
<b>CHRONIC HEALTH EFFECTS:</b> Chronic inhalation of dried product dusts (i.e.. when sanding or grinding) may cause pulmonary fibrosis or cancers . Prolonged or repeated exposure to dusts may cause lung irritation, chest pain, and pulmonary edema.					
<b>SECTION 5 - FIRE-FIGHTING MEASURES</b>					
<b>DATA RELATED TO FIRE:</b>					
<b>FLASH POINT:</b> None		<b>AUTO-IGNITION TEMPERATURE:</b> None			
<b>FLAMMABLE/EXPLOSIVE LIMITS:</b> NA		<b>LOWER:</b> NA		<b>UPPER:</b> NA	
<b>Sensitivity to Mechanical Impact/ STATIC DISCHARGE:</b> None.					
<b>GENERAL HAZARDS:</b>					
Not a flammable or combustible product.					
<b>SUITABLE EXTINGUISHING MEDIA:</b>					
Use extinguishing media appropriate to fight surrounding fire.					
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>					
None.					
<b>FIRE FIGHTING PROCEDURES:</b>					
Normal procedures are applicable. No special procedures are required for fires involving this product.					
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>					
None.					
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>					
Carbon Monoxide, Carbon Dioxide, Nitrogen oxides, Silica and Titanium Dioxide particulates.					

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<b>SECTION 6 - ACCIDENTAL RELEASE MEASURES</b>			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:			
Contain spill. If spilled in an enclosed area, ventilate. Wear proper personal protective clothing and equipment. Do not flush product into public sewer, water systems or surface waters. Recover as much as possible for reuse. Place into labeled, closed containers for disposal. Wash the spill area with soap and water. Change contaminated clothes and launder before reuse. CAUTION: Dried product dusts represent a serious respiratory hazard with chronic or repeated exposure.. Dispose in accordance with local, state and federal regulations.			
<b>SECTION 7 - HANDLING AND STORAGE</b>			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:			
<b>Handling:</b> Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of mists / fumes. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling this product and before eating, smoking or using the facilities. Use under well-ventilated conditions.			
<b>Storage:</b> Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Do not store over 120°F/48°C			
<b>SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>			
<b>Component</b>	<b>CAS #</b>	<b>ACGIH Exposure Limits (mg/m3 unless otherwise noted)</b>	<b>OSHA Exposure Limits (mg/m3 unless otherwise noted)</b>
Silica (Sand)	14808-60-7	0.025 mg/m <sup>3</sup> (respirable as quartz)*	0.5 mg/m <sup>3</sup> (calculated)*
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> TWA (total dust)
* - Calculated as crystalline silica in total quartz.			
<b>PERSONAL PROTECTION</b>			
RESPIRATORY PROTECTION:			
Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.			
PROTECTIVE GLOVES:			
Wear appropriate protective gloves to prevent skin exposure. Wear appropriate protective clothing to limit skin exposure.			
EYE PROTECTION:			
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:			
Facilities storing this material should be equipped with an eyewash facility and a safety shower.			
ENGINEERING CONTROLS:			
Provide adequate area ventilation to keep airborne exposure concentrations below the listed TLVs			
WORK / HYGIENIC PRACTICES:			
Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.			
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>			
APPEARANCE AND ODOR		VAPOR PRESSURE	
Odorless Solid Fused Aggregate Particle Various Colors		NR	
ODOR THRESHOLD		SPECIFIC GRAVITY (WATER = 1)	
NR		2.65g/ml,22.07 lbs/gal.	
FREEZING / MELTING POINT		BOILING POINT/RANGE	
NA		NA	
SOLUBILITY IN WATER		COEFFICIENT OF WATER / OIL DISTRIBUTION	
Partially soluble.		NR	
pH		SOLUBILITY IN ORGANIC SOLVENTS	
8.5		NR	
FLASH POINT		VISCOSITY	
None		NR	
FLAMMABLE LIMITS		VAPOR DENSITY (AIR = 1)	
LEL: None UEL: None		NR	
AUTOIGNITION TEMPERATURE		EVAPORATION RATE (WATER = 1)	
NE		NA	
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION			

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<b>SECTION 10 - STABILITY AND REACTIVITY</b>			
<b>STABILITY</b> Stable under normal temperatures and pressures.		<b>CONDITIONS TO AVOID:</b> Incompatible materials.	
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b> Strong oxidizing agents, strong bases, strong acids, reactive metals, water reactive materials.			
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> Carbon Monoxide, Carbon Dioxide, Nitrogen oxides, Silica and Titanium Dioxide particulates.			
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.		<b>CONDITIONS TO AVOID:</b> None related to polymerization.	
<b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>			
<b>Complete Product</b>			
<b>Oral LD<sub>50</sub></b>	Product is likely to be a gastro-intestinal irritant.		
<b>Dermal LD<sub>50</sub></b>	Not known - product may be irritating by contact with skin.		
<b>Inhalation LC<sub>50</sub></b>	Product, especially when dried and dusted, may be an irritant to the respiratory tract.		
<b>Irritation / Sensitization</b>	Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.		
<b>Carcinogenicity</b>	This product has been fused and encapsulated to form a non-dusting aggregate which is then incorporated into a solid coating. Respiratory exposure and cancer risks normally associated with the Silica and Titanium Dioxide ingredients are therefore mitigated to be of no consequence.		
<b>Mutagenicity</b>	Not Known		
<b>Reproductive Toxicity</b>	Not Known		
<b>Teratogenicity</b>	Not Known		
<b>Product Components</b>			
Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
Silica (Sand)	14808-60-7	Draize test, rabbit, eye: 25 mg/24H Mild	NE
Titanium dioxide	13463-67-7	NE	NE
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>			
The product is not biodegradable.			
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>			
<b>WASTE DISPOSAL METHOD:</b> Dispose of in a manner consistent with federal, state, and local regulations. Recondition or dispose of empty container in accordance with governmental regulations.			
<b>SECTION 14 - TRANSPORT INFORMATION</b>			
<b>PROPER SHIPPING NAME:</b> Not regulated for transport.			
<b>DOT HAZARD CLASS / Pack Group:</b> Not regulated		<b>IATA HAZARD CLASS / Pack Group:</b> Not regulated	
<b>REFERENCE:</b> 49CFR, IATA, IMDG.		<b>IMDG HAZARD CLASS:</b> Not regulated	
<b>UN / NA IDENTIFICATION NUMBER:</b> None		<b>RID/ADR Dangerous Goods Code:</b> None	
<b>LABEL:</b> None		<b>TDG Class / Pack Group:</b> None	
<b>HAZARD SYMBOLS:</b> None		<b>Hazard Identification Number (HIN):</b> None	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			

