# SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SEAL-KRETE COLOR QUARTZ

PRODUCT NUMBERS: 955001, 955002, 955003, 955004, 955005, 955006, 955007, 955008, 955009, 955010, 955999

TRADE NAME: SEAL-KRETE COLOR QUARTZ

GENERAL USE: Additive

CHEMICAL FAMILY: Resin, inorganics and pigments.

PRODUCT DESCRIPTION:

Solid Fused Aggregate Particle Various Colors

MANUFACTURER

Seal-Krete / Clayton Corporation

TELEPHONE NUMBER (General Inquiries) (800)323-7357 Toll-Free / (863)967-1535 (Local)

ADDRESS (NUMBER, STREET, P.O. BOX)

306 Gandy Road

(CITY, STATE AND ZIP CODE) COUNTRY

Auburndale, FL 33823

DATE PREPARED: April 21, 2011
SUPERSEDES: New edition

SEAL KRETE

24-HOUR EMERGENCY TELEPHONE NUMBERS

(800) 424-9300

**TOLL-FREE** in North America (USA/Canada)

01- (703) 527-3887

International calls outside the United States and Canada

# SECTION 2 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Caution! May cause damage to organs. Overexposure to dusts if grinding the composite may cause eye, skin and respiratory tract irritation. Prolonged or repeated skin contact may cause irritation. Irritating gases/fumes may be given off during burning or thermal decomposition. 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.

USA DOT

CANADA (WHMIS) SYMBOL(S)

**EUROPEAN** 

USA/CANADA (GHS) HAZARD SYMBOLS

None







HMIS HAZARD RATINGS

0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE 3 = HIGH, 4 = EXTREME

\* - CHRONIC HEALTH HAZARD

HEALTH:	1*
FLAMMABILITY:	0
PHYSICAL HAZARD:	0

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:

HMIS PERSONAL PROTECTIVE EQUIPMEN LETTER:

A/C





Safety Glasses - required at all times. Gloves, apron - required where splash hazard exists. Dust Mask - required for sanding, grinding if required or general dusty conditions.

RISK PHRASES

R20/22: Harmful by inhalation and if swallowed.

R36/38: Irritating to eyes and skin.

SAFETY PHRASES

S36/37: Wear suitable protective clothing and gloves.

S46: If swallowed, seek medical advice immediately and show this container or label.

# POTENTIAL HEALTH EFFECTS

#### ACUTE EXPOSURE EFFECTS

INHALATION:

Harmful if inhaled in high concentrations. May cause respiratory tract irritation through repeated or prolonged exposure to respirable dusts.

SKIN:

Causes skin irritation in susceptible individuals; this is much more prevalent with prolonged and/or chronic exposure.

FYFS

Causes both chemical and mechanical eye irritation. May cause redness and pain. Dried product particles may cause mechanical irritation and corneal abrasion.

INGESTION:

Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

SEAL-KRETE COLOR QUARTZ PRODUCT NAME:

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# SECTION 2 - HAZARDS IDENTIFICATION (Continued)

## CHRONIC EXPOSURE EFFECTS

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.

CARCINOGENICITY:

NTP? No

IARC MONOGRAPHS? Yes - Titanium Dioxide Group 2B Carcinogen OSHA REGULATED? No

CALIFORNIA, Prop.65? Yes - Silica (Respirable Quartz Impurities) Group 1 Confirmed carcinogen to humans. (see section 15)

ESIS NOTATION? Yes - Silica. Titanium Dioxide Respirable dusts. R40.

**SECTION 3 - HAZARDOUS INGREDIENTS** Hazard **RISK PHRASES** Hazardous Components CAS# **EINECS#** (Full Text Section 2) (by Weight) Symbol 14808-60-7 238-878-4 R40 (respirable) Silica (Sand) 80-95% None Titanium dioxide 0.1-2% 13463-67-7 236-675-5 Xn R40 (respirable)

NOTES: 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.

## SECTION 4 - FIRST AID MEASURES

#### INHALATION:

Remove victim from exposure area into fresh air. If breathing becomes labored or ceases, obtain immediate medical attention.

EYES:

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.

SKIN:

Wash with mild soap and water. See a physician if irritation persists.

INGESTION:

Do not induce vomiting. Give water to drink. Get medical aid immediately. Call a poison control center.

CHRONIC HEALTH EFFECTS: 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.

# SECTION 5 - FIRE-FIGHTING MEASURES

DATA RELATED TO FIRE:

**FLASH POINT: None AUTO-IGNITION TEMPERATURE: None** 

FLAMMABLE/EXPLOSIVE LIMITS: NA LOWER: NA **UPPER: NA** 

Sensitivity to Mechanical Impact/ STATIC DISCHARGE: None.

GENERAL HAZARDS:

Not a flammable or combustible product.

SUITABLE EXTINGUISHING MEDIA:

Use extinguishing media appropriate to fight surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA:

None.

FIRE FIGHTING PROCEDURES:

Normal procedures are applicable. No special procedures are required for fires involving this product.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon Monoxide, Carbon Dioxide, Nitrogen oxides, Silica and Titanium Dioxide particulates.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

# SECTION 7 - HANDLING AND STORAGE

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

**Handling:** 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.

**Storage:** Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Do not store over 120°F/48°C

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION			
Component	CAS#	ACGIH Exposure Limits (mg/m3 unless otherwise noted)	OSHA Exposure Limits (mg/m3 unless otherwise noted)
Silica (Sand)	14808-60-7	0.025 mg/m³ (respirable as quartz)*	0.5 mg/m³ (calculated)*
Titanium dioxide	13463-67-7	10 mg/m3	15 mg/m3 TWA (total dust)

 <sup>\* -</sup> Calculated as crystalline silica in total quartz.

## PERSONAL PROTECTION

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES		
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	
рН	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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None

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SECTION 10 - STABILITY AND REACTIVITY

STABILITY

CONDITIONS TO AVOID:

Stable under normal temperatures and pressures.

Incompatible materials.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents, strong bases, strong acids, reactive metals, water reactive materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Carbon Monoxide, Carbon Dioxide, Nitrogen oxides, Silica and Titanium Dioxide particulates.

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID:

Will not occur.

None related to polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION			
Complete Product			
Oral LD <sub>50</sub>	Product is likely to be a gastro-intestinal irritant.		
Dermal LD <sub>50</sub>	Not known - product may be irritating by contact with skin.		
Inhalation LC <sub>50</sub>	Product, especially when dried and dusted, may be an irritant to the respiratory tract.		
Irritation / Sensitization	Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.		
Carcinogenicity	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.		
Mutagenicity	Not Known		
Reproductive Toxicity	Not Known		
Teratogenicity	Not Known		

Product Components			
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

# SECTION 12 - ECOLOGICAL INFORMATION

The product is not biodegradable.

# **SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD:

Dispose of in a manner consistent with federal, state, and local regulations. Recondition or dispose of empty container in accordance with governmental regulations.

SECTION	14 - TRANSPORT	INFORMATION
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PROPER SHIPPING NAME: Not regulated for transport.

DOT HAZARD CLASS / Pack Group: Not regulated

Not r

Group:

None

Not regulated

REFERENCE: 49CFR, IATA, IMDG.

IMDG HAZARD CLASS: Not regulated

UN / NA IDENTIFICATION NUMBER:

RID/ADR Dangerous Goods Code: None

LABEL: None

TDG Class / Pack Group:

None

HAZARD SYMBOLS: None

Hazard Identification Number (HIN): 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.

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#### SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): Ingredients are TSCA referenced.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):

Acute Health: No Chronic Health: No Fire: No Sudden Release of Pressure: No

Reactive: No

SARA 313 REPORTABLE INGREDIENTS: None

CERCLA (USA - Comprehensive Response Compensation and Liability Act): RQ = 24000 lbs. for product.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **No listed components for product neat. Dried** product respirable dusts contain ingredients Silica Quartz, and Titanium Dioxide known to the state of California to cause cancer.

State Right to Know: CAS# 14808-60-7 (Silica) and 13463-67-7 Titanium Dioxide) can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts, Minnesota,. CAS#1336-21-6 Ammonium hydroxide is listed in: Massachusetts, New Jersey, Pennsylvania.

CPR (Canadian Controlled Products Regulations): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: D2A



IDL (Canadian Ingredient Disclosure List): None listed.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on DSL.

# SECTION 16 - OTHER INFORMATION

# Legend:

ACGIH American Congress of Government Industrial Hygienists

CAS Chemical Abstracts Service

EINECS European Inventory of Existing Commercial Chemical Substances

HMIS Hazardous Materials Identification System
IARC International Agency for Research on Cancer
NA Not Available ND Not Determined
NE Not Established NR Not Reported
NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA Occupational Safety and Health Administration

REVISION SUMMARY: New issue 4/21/2011 to USA (ANSI) CANADA (WHMIS) (GHS) standards. --JTV---

## MSDS Prepared by:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.