






MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SEAL-KRETE GRANITE FX KIT VARIOUS COLORS	
PRODUCT NUMBERS: 281002, 282002, 283002, 284002	
TRADE NAME: SEAL-KRETE GRANITE FX KIT GENERAL USE: Coating CHEMICAL FAMILY: Solvent/Binder combination PRODUCT DESCRIPTION: Semi-Viscous liquid of various colors with characteristic acrylic odor.	
MANUFACTURER Seal-Krete / Clayton Corporation	
TELEPHONE NUMBER (General Inquiries) (800)323-7357 Toll-Free / (863)967-1535 (Local)	
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	
ADDRESS (NUMBER, STREET, P.O. BOX) 306 Gandy Road	
(CITY, STATE AND ZIP CODE) COUNTRY Auburndale, FL 33823	
DATE PREPARED: March 8, 2011	
SUPERSEDES: New edition	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW			
Caution! Overexposure to aerosol, vapor or mist may cause eye, skin and respiratory tract irritation, or nausea. Prolonged or repeated skin contact may defat the skin and cause irritation. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases/fumes may be given off during burning or thermal decomposition.			
USA DOT	CANADA (WHMIS)	EUROPEAN	(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 EQUIPMENT LETTER: A/C			Safety Glasses - required at all times. Gloves, apron - required where splash hazard exists. Dust Mask - required for sanding and grinding.
RISK PHRASES			
R20/22: Harmful by inhalation and if swallowed.			
R36/38: Irritating to eyes and skin.			
R40: Limited evidence of carcinogenic effect.			
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. May cause lung damage due to silicosis; this is more likely with repeated or prolonged exposures..			
SKIN:			
Causes skin irritation in susceptible individuals; this is much more prevalent with prolonged and/or chronic exposure.			
EYES:			
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.			

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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; 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 data. Target organs: Respiratory system.					
CARCINOGENICITY:					
NTP? No	IARC MONOGRAPHS? Yes - Titanium Dioxide Group 2B Carcinogen				
CALIFORNIA, Prop.65?	Yes - Silica (Respirable Quartz Impurities) (see section 15)				
OSHA REGULATED? No					
ESIS NOTATION? Yes - Silica, Titanium Dioxide Respirable dusts.					
SECTION 3 - HAZARDOUS INGREDIENTS					
Hazardous Components	%	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
Silica	20-40%	14808-60-7	238-878-4	None	R40 (respirable)
Titanium dioxide	1-10%	13463-67-7	236-675-5	Xn	R40 (respirable)
Ammonium Hydroxide	0.1-1.0	1336-21-6	215-647-6	C, N	R34, R50
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 (assumed through animal studies). 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, Ammonia.					

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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 liquid into public sewer, water systems or surface waters. Recover as much as possible for reuse. Absorb remainder with an inert material. Place into labeled, closed containers for disposal. Wash the spill area with soap and water. Change contaminated clothes and launder before reuse. **CAUTION:** Spilled liquid and dried film are slippery. 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 allow product to freeze. Do not store over 120°F/48°C

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	CAS #	ACGIH Exposure Limits (mg/m ³ unless otherwise noted)	OSHA Exposure Limits (mg/m ³ unless otherwise noted)
Silica	14808-60-7	0.025 mg/m ³ (respirable as quartz)	0.5 mg/m ³ (calculated)*
Titanium dioxide	13463-67-7	10 mg/m ³	15 mg/m ³ TWA (total dust)
Ammonium Hydroxide	1336-21-6	NE	NE

* - Calculated as crystalline silica in total quarts.

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 Liquid emulsion of various colors - mild faint acrylic odor.	VAPOR PRESSURE NR
ODOR THRESHOLD NR	SPECIFIC GRAVITY (WATER = 1) 1.36g/ml, 11.38lbs/gal.
FREEZING / MELTING POINT NE	BOILING POINT/RANGE 100°C, 212°F
SOLUBILITY IN WATER Partially soluble.	COEFFICIENT OF WATER / OIL DISTRIBUTION NR
pH 8.5	SOLUBILITY IN ORGANIC SOLVENTS NR
FLASH POINT None	VISCOSITY 100 KU
FLAMMABLE LIMITS LEL: None UEL: None	VAPOR DENSITY (AIR = 1) NR
AUTOIGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) NA
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION 248 g/L	

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable under normal temperatures and pressures.	CONDITIONS TO AVOID: Incompatible materials, ignition sources, excess heat. Protect from freezing.		
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, ammonia.			
HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.		
SECTION 11 - TOXICOLOGICAL INFORMATION			
Complete Product			
Oral LD₅₀	Product is likely to be a gastro-intestinal irritant.		
Dermal LD₅₀	Not known - product may be irritating by contact with skin.		
Inhalation LC₅₀	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	IARC- Titanium Dioxide (respirable) IARC Group 2 B Carcinogen. Silica (respirable crystalline quartz impurities) confirmed carcinogen.		
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	14808-60-7	Draize test, rabbit, eye: 25 mg/24H Mild	NE
Titanium dioxide	13463-67-7	NE	NE
Ammonium Hydroxide	1336-21-6	350 mg/kg	NE
SECTION 12 - ECOLOGICAL INFORMATION			
The product is partially 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			
PROPER SHIPPING NAME: Not regulated for transport.			
DOT HAZARD CLASS / Pack Group: Not regulated	IATA HAZARD CLASS / Pack Group: Not regulated		
REFERENCE: 49CFR, IATA, IMDG.	IMDG HAZARD CLASS: Not regulated		
UN / NA IDENTIFICATION NUMBER: None	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: **Yes**
Fire: **No** Sudden Release of Pressure: **No**
Reactive: **No**

SARA 313 REPORTABLE INGREDIENTS: Ammonium Hydroxide CAS#1336-21-6 reportable at >1%.
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 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: D2B**



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

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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.