











MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION											
PRODUCT NAME: Seal-Krete Fast Cure High Strength Concrete Repair Part B		PRODUCT NUMBER: 852002									
TRADE NAME: Seal-Krete Fast Cure High Strength Concrete Repair Part B GENERAL USE: Concrete Repair CHEMICAL FAMILY: Mixed Organics PRODUCT DESCRIPTION: Light yellow liquid with slight odor. 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: May 9, 2011 SUPERSEDES: New Issue	 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 Combustible under fire conditions. May irritate eyes and irritate or sensitize skin. Wash areas of contact with water. If ingested, give large quantity of water and get medical assistance. Target Organs: eyes, skin, respiratory system.											
US / CANADA HAZARD SYMBOL(S) None (USA)		EUROPEAN (GHS) HAZARD SYMBOLS  									
HMIS HAZARD RATINGS <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;"> 0 = INSIGNIFICANT, 1 = SLIGHT , 2 = MODERATE, 3 = HIGH, 4 = EXTREME </td> <td style="width: 50%; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #e6f2ff;"> <td style="padding: 2px;">HEALTH:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr style="background-color: #ffe6e6;"> <td style="padding: 2px;">FLAMMABILITY:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr style="background-color: #ffe6cc;"> <td style="padding: 2px;">PHYSICAL HAZARD:</td> <td style="text-align: center; padding: 2px;">0</td> </tr> </table> </td> </tr> </table>				0 = INSIGNIFICANT, 1 = SLIGHT , 2 = MODERATE, 3 = HIGH, 4 = EXTREME	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #e6f2ff;"> <td style="padding: 2px;">HEALTH:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr style="background-color: #ffe6e6;"> <td style="padding: 2px;">FLAMMABILITY:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr style="background-color: #ffe6cc;"> <td style="padding: 2px;">PHYSICAL HAZARD:</td> <td style="text-align: center; padding: 2px;">0</td> </tr> </table>	HEALTH:	1	FLAMMABILITY:	1	PHYSICAL HAZARD:	0
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RISK PHRASES R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact.											
SAFETY PHRASES S2 Keep out of the reach of children. S7 Keep container tightly closed. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.											
POTENTIAL HEALTH EFFECTS											
INHALATION: Inhalation may result in drowsiness or dizziness, and nausea.											
SKIN: May cause mild irritation, especially upon chronic or prolonged contact. Allergic itching and rash in susceptible individuals.											
EYES: May cause irritation upon direct contact with eyes, or upon exposure to high vapor levels.											
INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea, mental confusion, dizziness, drowsiness, coma, and death. Should be considered moderately toxic.											
CARCINOGENICITY: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">NTP? NO</td> <td style="width: 33%;">IARC MONOGRAPHS? NO</td> <td style="width: 33%;">OSHA REGULATED? NO</td> </tr> <tr> <td>CALIFORNIA, Prop.65? NO</td> <td></td> <td>ESIS NOTATION? NO</td> </tr> </table>				NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED? NO	CALIFORNIA, Prop.65? NO		ESIS NOTATION? NO		
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SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	<50	6846-50-0	229-934-9	Xi	R36
Quadrol	<25	102-60-3	203-041-4	Xi	R36/38, R43
PolyetherPolyol	<20	25791-96-2	500-044-5	None	None
1,4 - Butanediol	<6	110-63-4	203-786-5	Xn, Xi	R22, R36/38

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:

In the event of lung irritation, (coughing, wheezing or breathing difficulty), remove victim from exposure area into fresh air immediately. If breathing has stopped, immediately perform artificial respiration.

EYES:

Remove contact lenses if present, then wash for 15-20 minutes with potable cool or lukewarm water, lifting upper and lower eyelids occasionally. Seek medical attention.

SKIN:

Wash off immediately with soap and water; seek medical care in the event of rashes or irritation.

INGESTION:

Do not induce vomiting. Give 1-2 glasses of water. Obtain emergency medical attention immediately

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Combustible at high temperatures. Flash Point: 265 °F . Flammable Limits: NA. Autoignition Temperature: NA. Sensitivity to mechanical impact: None. Sensitivity to static discharge; None. May combust and emit toxic and/or irritating vapors under fire conditions

EXTINGUISHING MEDIA:

Foams and carbon dioxide preferred; water streams may cause frothing of liquid.

FIRE FIGHTING PROCEDURES:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

May decompose at high temperatures, emitting toxic vapors Containers may rupture under fire conditions.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon Oxides, Nitrogen oxides, soot and smoke

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove ignition sources. For small spills, simply wipe up product with paper towel and discard into approved container, then rinse area with water. For large spills, dike and absorb spill with inert material (sand, ash etc.) and place in waste container. Do not wash large quantities of material into drains or bodies of water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid sustained contact with skin and all contact with eyes; wear personal protective equipment. Keep containers tightly closed in a dry, cool and well-ventilated place (65-85°F, less than 120°F). It is recommended that gloves be worn during use of product. No smoking or ignition sources around product. Empty product containers may contain harmful materials.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	NE	NE
Quadrol	102-60-3	NE	NE
Polyether Derivative	25791-96-2	NE	NE
1,4 - Butanediol	110-63-4	NE	NE

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator in accordance with rules for substances including isocyanates.

PROTECTIVE GLOVES:

Latex, nitrile or neoprene gloves are acceptable.

EYE PROTECTION:

Safety glasses with side shields or safety goggles are required as good industrial practice.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Eyewash facilities should be readily available; portable eyewashes containing bacteria-free solutions are acceptable.

WORK / HYGIENIC PRACTICES:

Observe standard industrial hygiene practices during use, do not eat, drink, smoke during use. Wash hands with soap and water before eating drinking or smoking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Light yellow liquid with slight odor.	VAPOR PRESSURE 0.1 mm Hg @ 77° F (25°C)
pH NE	SPECIFIC GRAVITY (WATER = 1) 0.84
MELTING POINT NA	SOLUBILITY IN WATER Slight
FLASH POINT 265° F	VISCOSITY NE
FLAMMABLE LIMITS LEL: NE UEL: NE	VAPOR DENSITY (AIR = 1) Not Available
AUTOIGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) Not Available

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION

Negligible

NOTES: None.

SECTION 10 - STABILITY AND REACTIVITY

STABILITY Stable under normal conditions.	CONDITIONS TO AVOID: Extreme heat, incompatible materials
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and bases, Amines, Aluminum, Copper Alloys,	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Oxides, Nitrogen Oxides under fire conditions only	
HAZARDOUS POLYMERIZATION: Not Expected	CONDITIONS TO AVOID: Not Expected

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral LD ₅₀	Product is likely to be a gastro-intestinal irritant. Moderately toxic.
Dermal LD ₅₀	Not known - may be irritating and sensitizing to skin.
Inhalation LC ₅₀	Not known.
Irritation / Sensitization	Irritant to eyes; possible irritant to skin; may sensitize skint.
Carcinogenicity	No Carcinogenic substances as defined by IARC, NTP and/or OSHA
Mutagenicity	Not known
Reproductive Toxicity	Not Known
Teratogenicity	Not Known

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PRODUCT NAME: Seal-Krete Fast Cure High Strength Concrete Repair Part B
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SECTION 11 - TOXICOLOGICAL INFORMATION (Continued)

Product Components

Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	ND	ND
Quadrol	102-60-3	ND	ND
Polyether Polyol	25791-96-2	4000 mg/kg	> 200 mg/L /1H
1,4 - Butanediol	110-63-4	1525 mg/kg	ND

SECTION 12 - ECOLOGICAL INFORMATION

Do not allow undiluted and/or large quantities of product to enter sewage systems or reach ground water or bodies of water.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Do not flush to sewer. All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated for Transport

DOT HAZARD CLASS / Pack Group: Not regulated TDG Class / Pack Group: None UN / NA IDENTIFICATION NUMBER: None LABEL: None HAZARD SYMBOLS: None	IATA HAZARD CLASS / Pack Group: Not regulated IMDG HAZARD CLASS: None RID/ADR HAZARD CLASS: None HIN: None
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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.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **Components are listed under Section 8(b).**

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

Acute Health: YES	Chronic Health: NO
Fire: NO	Sudden Release of Pressure: NO
Reactive: NO	

SARA 313 REPORTABLE INGREDIENTS: None reportable.

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

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None listed.**

State Right To Know Lists: **Listed as required for CA, FL, MA, MN, NJ, PA, and RI.**

CPR (Canadian Controlled Products Regulations): **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. WHMIS Classifications: D2B - Irritant/Sensitizer.**



IDL (Canadian Ingredient Disclosure List): **Listed as required.**

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

WGK Water Quality Index: **2**

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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:

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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.