







MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME:	SEAL-KRETE Clear-Seal		DATE:
PRODUCT NUMBER:	365001, 365005	July 27, 2010	
TRADE NAME:	SEAL-KRETE Clear-Seal		
GENERAL USE:	Clear Seal		
CHEMICAL FAMILY:	Acrylic Copolymer/ Ether Alcohols		
PRODUCT DESCRIPTION:	Clear liquid with alcohol odor.		
MANUFACTURER	Seal-Krete / Clayton Corporation		
TELEPHONE NUMBER (General Inquiries)	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		
(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:	July 27, 2010		
SUPERSEDES:	New edition		
SECTION 2 - HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW			
Flammable. May irritate eyes and skin. Wash areas of contact with water. If ingested, give large quantity of water and get medical assistance. Target Organs: central nervous system, eyes, skin, respiratory system.			
US / CANADA HAZARD SYMBOL(S)		EUROPEAN (GHS) HAZARD SYMBOLS	
 		 	
HMIS HAZARD RATINGS			
0 = INSIGNIFICANT, 1 = SLIGHT , 2 = MODERATE, 3 = HIGH, 4 = EXTREME		HEALTH:	2
		FLAMMABILITY:	3
		PHYSICAL HAZARD:	0
REQUIRED PERSONAL PROTECTIVE EQUIPMENT:			
HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER:			Safety glasses should be worn while handling product.
A			
RISK PHRASES			
R11 Highly flammable.			
R36 Irritating to eyes.			
R67 Vapours may cause drowsiness and dizziness.			
SAFETY PHRASES			
S2 Keep out of the reach of children.			
S7 Keep container tightly closed.			
S16 Keep away from sources of ignition — No smoking.			
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:			
May be harmful if inhaled. May cause irritation of respiratory tract. Inhalation may result in drowsiness or dizziness, mental confusion, nausea, and unconsciousness.			
SKIN:			
May cause irritation, especially upon chronic or prolonged contact.			
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.			
CARCINOGENICITY:			
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)
Isopropanol	50-70	67-63-0	200-661-7	F	R11, R36, R67

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 unusual 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 for severe/persistent irritation, or if conjunctivitis appears.

SKIN:
Wash off immediately with soap and water; seek medical care in the unusual 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:
Flammable - Flash Point <73°F (est). Flammable Limits: 2.0-12.7% by volume in air. Autoignition Temperature - 750°F for isopropanol. Sensitivity to mechanical impact: none. Sensitivity to static discharge; slight. Flammable liquid with low flash point. Vapors may pool in areas of low ventilation and explode. Vapors may travel a considerable distance to a point of ignition and flash back.

EXTINGUISHING MEDIA:
As appropriate to fight surrounding fire. Foams, water stream/fog, dry powders, and carbon dioxide may be used.

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:
Vapors may explode if concentrations reach the Lower Explosive Limit or Higher.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon Oxides, Silicon Oxides - Carbon monoxide is the major hazardous combustion product.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Flammable - remove all ignition sources. For small spills, simply wipe up product with paper towel and discard into approved container for flammable waste, then rinse area with water. For large spills, dike and absorb spill with inert material (sand, ash etc.) and treat absorbed product as hazardous waste (flammable). 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. Keep containers tightly closed in a dry, cool and well-ventilated place. It is recommended that gloves be worn during use of product. No smoking or ignition sources around product. Empty product containers may contain hazardous materials which may ignite. Do not weld drums.

MATERIAL SAFETY DATA SHEET

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Isopropanol	400	980	2000 IDLH	NR	200	NR	400	980

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 if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES:

Latex, nitrile or neoprene gloves are acceptable if gloves are to be worn.

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 Clear liquid with alcohol odor.	VAPOR PRESSURE Not Available
pH Not applicable	SPECIFIC GRAVITY (WATER = 1) 0.84
MELTING POINT Not known	SOLUBILITY IN WATER Partially miscible
FLASH POINT <73°F estimated	VISCOSITY 150 cps
FLAMMABLE LIMITS LEL: 2.0% UEL: 12.7%	VAPOR DENSITY (AIR = 1) Not Available
AUTOIGNITION TEMPERATURE 750°F (references isopropanol)	EVAPORATION RATE (WATER = 1) Not Available
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION 32 grams / Liter	
NOTES: None.	

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	CONDITIONS TO AVOID: Temperature extremes, ignition sources, strong acids and bases
INCOMPATIBILITY (MATERIALS TO AVOID): strong acids and bases	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Oxides, Nitrogen Oxides under fire conditions only	
HAZARDOUS POLYMERIZATION: Can occur under limited conditions	CONDITIONS TO AVOID: Temperature extremes may cause unwanted polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Isopropyl Alcohol	67-63-0	Oral, rat: LD50 = 5000 mg/kg Oral, mouse: LD50 = 3600 mg/kg	Inhalation, rat: LC50 = 16000 ppm/8H
	200-661-7		

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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. Absorb with inert material and place in chemical waste container for proper disposal in a disposable facility for incineration in a chemical incinerator. Ventilate spill area. Have extinguishing agent available in case of fire. Eliminate all sources of ignition. Use non-sparking equipment. 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: **Flammable Liquid, N.O.S. (Contains Isopropanol)**

DOT HAZARD CLASS / Pack Group: **Flammable Liquid 3, N.O.S., (Contains Isopropanol) / PG II**

TDG Class / Pack Group: **Class 3 / PG II**

UN / NA IDENTIFICATION NUMBER: **UN1993**

LABEL: **Flammable liquid 3 (Contains Isopropanol)**

HAZARD SYMBOLS:



IATA HAZARD CLASS / Pack Group: **Flammable liquid Class 3, n.o.s. (Contains Isopropanol)/ PG II.**

IMDG HAZARD CLASS: **3, Flammable Liquid / PG II.**

RID/ADR HAZARD CLASS: **3, Flammable Liquid / PG II.**

HIN: **33**

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:	YES	Sudden Release of Pressure:	NO
Reactive:	NO		

SARA 313 REPORTABLE INGREDIENTS: **None reportable.**

CERCLA (USA - Comprehensive Response Compensation and Liability Act): **150 lb. RQ for product.**

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

State Right To Know Lists: **Isopropanol - 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: B2 - Flammable.**



IDL (Canadian Ingredient Disclosure List): **Isopropanol is on the CIDL.**

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

WGK Water Quality Index: **2**

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PRODUCT NUMBER: 365001, 365005 **DATE:** July 27, 2010

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.