SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Seal-Krete Epoxy-Shell 1000 Part A
PRODUCT NUMBER: 231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999
DATE: July 2, 2013

TRADE NAME: Seal-Krete Epoxy-Shell 1000 Part A
GENERAL USE: Epoxy Coating
CHEMICAL FAMILY: Reaction products of epichlorohydrin and bisphenol A
PRODUCT DESCRIPTION: Water-white to yellow liquid to semi-solid, faint epoxy odor.
MANUFACTURER: Seal-Krete / Clayton Corporation

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Caution! May cause allergic skin reaction. Slightly harmful if absorbed through the skin. Product is harmful to aquatic organisms.

US / CANADA HAZARD SYMBOL(S)

EUROPEAN (OLD) (GHS) HAZARD SYMBOLS

HMIS HAZARD RATINGS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

* - Higher number reflects product hazard before mixing Part A with Part B

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:

HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: B

Safety glasses and gloves should be worn while handling product.

RISK PHRASES
R38: Irritating to skin.
R43: May cause sensitization by skin contact.
R51/53: Toxic to aquatic organisms, may cause long term effects in the aquatic environment.
R68: Possible risk of irreversible effects.

SAFETY PHRASES
S2 Keep out of the reach of children.
S36/37: Wear suitable protective clothing and gloves.

 POTENTIAL HEALTH EFFECTS

INHALATION:
Vapors are unlikely due to physical properties. Product may contain minimal amount ( < 0.5% ) of solvent present on addition of additives.

SKIN:
Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. May cause allergic skin reaction.

EYES:
May cause irritation upon direct contact with eyes, Corneal injury is unlikely.
**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** Seal-Krete Epoxy-Shell 1000 Part A

**PRODUCT NUMBER:** 231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999

**DATE:** July 2, 2013

**TRADE NAME:** Seal-Krete Epoxy-Shell 1000 Part A

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**INGESTION:**

Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations. May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CARCINOGENICITY:**

NTP? NO

CALIFORNIA, Prop.65? No - Epichlorohydrin

IARC MONOGRAPHS? NO

OSHA REGULATED? NO

ESIS NOTATION? NO

### SECTION 3 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>% (by Weight)</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Hazard Symbol</th>
<th>RISK PHRASES (Full Text Section 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction products of Epichlorohydrin and Bisphenol A</td>
<td>100%</td>
<td>25085-99-8</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>


**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:**

Combustible - Flash Point 485°F, 252°C PMCC. Minimally combustible.

**EXTINGUISHING MEDIA:**

As appropriate to fight surrounding fire. Foams, water 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, Carbon monoxide is the major hazardous combustion product.
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Seal-Krete Epoxy-Shell 1000 Part A
PRODUCT NUMBER: 231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999
DATE: July 2, 2013

TRADE NAME: Seal-Krete Epoxy-Shell 1000 Part A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Minimally combustible - remove all ignition sources. Under normal condition, any leaks or spill will not flow. However a spill should be collected in a waste container. The collected waste can be disposed either by solidifying with the B-Component (Curing Agent) or as is in accordance to regulations. Wear necessary protective equipment and clothing to avoid contact. Dispose the waste properly. 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 (combustible). 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 material. Do not weld drums. Launder contaminated clothing before reuse. Dispose contaminated clothing and protective equipment if unable to decontaminate. Store the product above 50F and below 90F.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th></th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA ppm</td>
<td>TWA mg/m³</td>
<td>STEL ppm</td>
</tr>
<tr>
<td>Reaction products of Epichlorohydrin and Bisphenol A</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

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:
Butyl-rubber, Nitrile rubber, Neoprene gloves, Impervious gloves, PVC disposable gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.

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. Impervious clothing should be worn if product exposure is likely for an extended time period. Long sleeve shirts and trousers without cuffs.

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. Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>VAPOR PRESSURE</th>
<th>SPECIFIC GRAVITY (WATER = 1)</th>
<th>SOLUBILITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>VAPOR PRESSURE</td>
<td>SPECIFIC GRAVITY (WATER = 1)</td>
<td>SOLUBILITY IN WATER</td>
</tr>
<tr>
<td>Water-white to yellow liquid to semi-solid, faint epoxy odor.</td>
<td>NA</td>
<td>1.16</td>
<td>Insoluble</td>
</tr>
</tbody>
</table>
**PRODUCT NAME:** Seal-Krete Epoxy-Shell 1000 Part A  
231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999  
**DATE:** July 2, 2013

**FLAMMABLE LIMITS**  
LEL: NA  
UEL: NA

**STABILITY**  
Stable under normal conditions of use.

**INCOMPATIBILITY (MATERIALS TO AVOID):**  
Strong acids, bases and oxidizers.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**  
Carbon Oxides, under fire conditions only

**HAZARDOUS POLYMERIZATION:**  
Can occur under limited conditions

**SECTION 10 - STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>LD50 of Ingredient (Specify Species and Route)</th>
<th>LC50 of Ingredient (Specify Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25085-99-8</td>
<td>LD50 (oral, rat): 11.4 g/kg</td>
<td>NE</td>
</tr>
</tbody>
</table>

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Epoxy Resin Information:  
Moderately toxic to aquatic organisms on an acute basis: LC50/EC50: between 1 and 10 mg/liter in most sensitive species.  
Do not allow undiluted and/or large quantities of product to enter sewage systems or reach ground water or bodies of water.  
Toxicity to aquatic species occurs at concentrations greater than water solubility.

**SECTION 12 - ECOLOGICAL INFORMATION**

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 13 - DISPOSAL CONSIDERATIONS**

<table>
<thead>
<tr>
<th>PROPER SHIPPING NAME:</th>
<th>Corrosive Liquid, n.o.s. (nonylphenol), Marine Pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT HAZARD CLASS / Pack Group:</td>
<td>Class 8 / PGIII</td>
</tr>
<tr>
<td>TDG Class / Pack Group:</td>
<td>Class 8 / PGIII</td>
</tr>
<tr>
<td>UN / NA IDENTIFICATION NUMBER:</td>
<td>UN1760</td>
</tr>
<tr>
<td>LABEL:</td>
<td>Corrosive</td>
</tr>
<tr>
<td>HAZARD SYMBOLS:</td>
<td>HIN: 80</td>
</tr>
</tbody>
</table>

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.
**PRODUCT NAME:** Seal-Krete Epoxy-Shell 1000 Part A  
231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999  
**DATE:** July 2, 2013  

**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):** No RQ's are listed for this product.  
This product contains trace concentrations of CAS #106-89-0 Epichlorohydrin a chemical known to the State of California to cause cancer. Listing date: 1 Oct 1987.  
**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:**  
**State Right To Know Lists:** None listed.  
**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: D2A-Skin Sensitizer.  
**IDL (Canadian Ingredient Disclosure List):** CAS # 25085-99-8 Reaction product of epichlorohydrin and bisphenol A.  
**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):** Listed on DSL.  
**WGK Water Quality Index:** nwg.  

**SECTION 16 - OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Legend:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Congress of Government Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>NA</td>
<td>Not Available</td>
</tr>
<tr>
<td>ND</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NE</td>
<td>Not Established</td>
</tr>
<tr>
<td>NR</td>
<td>Not Reported</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
</tbody>
</table>

**MSDS Prepared by:**  
ChemTel Inc.  
1305 North Florida Avenue  
Tampa, Florida USA 33602-2902  
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
Website: www.chemtelinc.com
| PRODUCT NAME:          | Seal-Krete Epoxy-Shell 1000 Part A 231003, 231005, 982001, 982002, 982003, 982004, 982005, 982006, 982007, 982008, 982009, 982010, 982011, 982012, 982013, 982014, 982015, 982016, 982999 |
| PRODUCT NUMBER:       | Date: July 2, 2013 |

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.