



**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: Seal-Krete® DAMPLOCK HYDRAULIC CEMENT  
January 22, 2007

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**SECTION 4 - FIRST AID MEASURES**

INHALATION: Remove affected person to fresh air; if symptoms persist seek medical attention.

SKIN: Wash contacted area with soap and water; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

GENERAL HAZARDS: Product is corrosive. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA  
Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES  
CAUTION - material is corrosive.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
None

HAZARDOUS COMBUSTION PRODUCTS  
Smoke, fumes or vapors, oxides of carbon.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Caution - CORROSIVE. Small spills - wash to sanitary sewer with plenty of water. Large spills - Recover and segregate product for reuse; shovel product into approved container for disposal. CAUTION - material is corrosive.

**SECTION 7 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Store in cool, dry area. CAUTION - material is corrosive. Keep this and other chemicals out of reach of children.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

| HAZARDOUS COMPONENTS              | NIOSH   |           |          |            | ACGIH   |           |          |            |
|-----------------------------------|---------|-----------|----------|------------|---------|-----------|----------|------------|
|                                   | TWA ppm | TWA mg/m3 | STEL ppm | STEL mg/m3 | TWA ppm | TWA mg/m3 | STEL ppm | STEL mg/m3 |
| Silica, crystalline, quartz (a,b) | --      | 0.05      | --       | --         | --      | 0.05      | --       | --         |
| Portland cement (c)               | --      | 10        | --       | --         | --      | 10        | --       | --         |

(b) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of doing business must warn others who may consume, come into contact with, or otherwise be

**PERSONAL PROTECTION:**

RESPIRATORY PROTECTION: NIOSH approved respirator designed to remove airborne particulate present in excess of maximum allowable concentrations due to secondary operations such as mixing, spraying, sanding, buffing, etc. Refer to 29 CFR 1910.134 or European Standard EN 149 for regulations.

PROTECTIVE GLOVES: Neoprene or nitrile rubber gloves.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| APPEARANCE AND ODOR<br>Gray powder, odorless                | VAPOR PRESSURE<br>Not applicable               |
| pH<br>12.5 - 13.5 (1% aqueous solution)                     | SPECIFIC GRAVITY (WATER = 1)<br>1.559          |
| BOILING POINT / BOILING RANGE<br>Not applicable             | SOLUBILITY IN WATER<br>Insoluble               |
| FLASH POINT<br>Non-flammable                                | VISCOSITY<br>Powder                            |
| FLAMMABLE LIMITS<br>LEL: Not applicable UEL: Not applicable | VAPOR DENSITY (AIR = 1)<br>Not applicable      |
| AUTOIGNITION TEMPERATURE<br>Not determined                  | EVAPORATION RATE (WATER = 1)<br>Not applicable |

**SECTION 10 - STABILITY AND REACTIVITY**

|   |  |
|---|--|
| STABILITY<br>UNSTABLE:<br>STABLE: X   | CONDITIONS TO AVOID: Avoid generating airborne dust. |
| INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids, strong alkalis. |  |

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

|   |                           |
|---|---------------------------|
| HAZARDOUS POLYMERIZATION<br>MAY OCCUR:<br>WILL NOT OCCUR: X | CONDITIONS TO AVOID: None |
|---|---------------------------|

**SECTION 11 - TOXICOLOGICAL INFORMATION**

| Hazardous Components              | CAS #<br>EINECS #       | LD50 of Ingredient<br>(Specify Species and Route) | LC50 of Ingredient<br>(Specify Species) |
|-----------------------------------|-------------------------|---|---|
| Silica, crystalline, quartz (a,b) | 14808-60-7<br>238-878-4 | Not established                                   | Not established                         |
| Portland cement (c)               | 65997-15-1<br>266-043-4 | Not established                                   | Not established                         |
|                                   |                         |   |   |
|                                   |                         |   |   |
|                                   |                         |   |   |
|                                   |                         |   |   |

**SECTION 12 - ECOLOGICAL INFORMATION**

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

**SECTION 14 - TRANSPORT INFORMATION**

|   |  |
|---|--|
| PROPER SHIPPING NAME: Non - Hazardous for Transport | IATA HAZARD CLASS / Packaging Group: Not regulated |
| DOT HAZARD CLASS / Packaging Group: Not regulated   | IMDG HAZARD CLASS: Not regulated                   |
| REFERENCE: Not Applicable                           | RID / ADR Dangerous Goods Code: Not regulated      |
| UN / NA IDENTIFICATION NUMBER: None                 | UN TDG Class / Packaging Group: Not regulated      |
| LABEL: None Required                                | Hazard Identification Number (HIN): None           |
| HAZARD SYMBOLS: 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)**

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

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

311/312 Hazard Categories  
 Immediate health, delayed health

313 Reportable Ingredients:  
 None

**CERCLA (USA - Comprehensive Response Compensation and Liability Act)**

None

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

There is a reportable chemical (Silica, crystalline, quartz) present known to the state of California to cause cancer or reproductive toxicity.

**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 the information required by the Controlled Products Regulations. WHMIS Classification: E, corrosive material

**IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: nwg

VbK Index: not applicable

|   |  |   |
|---|--|---|
| <p><b>RISK PHRASES:</b><br/>                 R20 Harmful by inhalation.<br/>                 R36/37/38 Irritating to eyes, respiratory system and skin.<br/>                 R40 Limited evidence of a carcinogenic effect.</p> | <p><b>SYMBOL(S) REQUIRED FOR LABEL</b></p> <p>Not classified</p> | <p><b>SAFETY PHRASES:</b><br/>                 S22 Do not breathe dust.<br/>                 S24/25 Avoid contact with skin and eyes<br/>                 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br/>                 S28 After contact with skin, wash immediately with plenty of soap and water.<br/>                 S36 Wear suitable protective clothing.</p> |
|---|--|---|

**SECTION 16 - OTHER INFORMATION**

|                                       |   |
|---------------------------------------|---|
| <p>Notes &amp; full R-Phrase text</p> | <p>R20 Harmful by inhalation.<br/>                 R36/37/38 Irritating to eyes, respiratory system and skin.<br/>                 R40 Limited evidence of a carcinogenic effect.</p> |
|---------------------------------------|---|

|                                      |  |   |   |  |
|--------------------------------------|--|---|---|--|
| <p>HMIS HAZARD RATINGS</p>           | <p>HEALTH<br/>                 FLAMMABILITY<br/>                 PHYSICAL HAZARD</p> | <p>1*<br/>                 0<br/>                 0</p> | <p>* = Chronic Health Hazard<br/>                 0 = INSIGNIFICANT<br/>                 1 = SLIGHT</p> | <p>2 = MODERATE<br/>                 3 = HIGH<br/>                 4 = EXTREME</p> |
| <p>PERSONAL PROTECTIVE EQUIPMENT</p> |  | <p>E</p>  | <p>Safety Glasses, Gloves, Dust Respirator</p>  |  |

**REVISION SUMMARY:**  
 This MSDS has been revised in the following sections: Not changes noted

MSDS Prepared by: Comprehensive Data Base, Inc.  
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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.