



# SAFETY DATA SHEET (SDS)

Material Trade Name: CHEM-CRETE CEMENTITIOUS PRODUCTS

One Component Powder Cementitious Material

Date Revised: 21 April 2019

## 1. SUBSTANCE IDENTIFICATION

- 1.1. Material / Trade Name** CHEM-CRETE CEMENTITIOUS PRODUCTS  
(CEM140, CEM150, CEM210, CEM220, CEM230, CEM240, CEM241 – PART A, CEM241-F, CEM250 - PART A, CEM260, CEM290-H, CEM290-R, CHEM-SHOTCRETE CEM296, CEM300, CEM310, CEM515, CEM520, CEM525, CEM530, CEM540, CHEM-CRETEX CONCENTRATE CEM600C, CHEM-CRETEX MORTAR CEM600M, CHEM-CRETEX PLUG CEM600P, CEM982, CEM9000, CHEM-CRETE CCC150, CHEM-TOP CCC950, CHEM-PLATE CCC960, CHEM-CRETE FLEX CCC900 - PART A, CHEM-CRETE TUNNEL LINING SYSTEM)
- 1.2. Type** Cementitious Material (Powder)
- 1.3. Application** One & Two Component Cementitious Materials for Concrete Waterproofing, Protection & Modification
- 1.4. Company** International Chem-Crete Inc.  
**Address** 800 Security Row  
Richardson, TX, USA  
**Telephone** (+1) 972 671 6477  
**Fax** (+1) 972 238 0307  
**E-mail** [contactus@chem-crete.com](mailto:contactus@chem-crete.com)  
**Web Site** [www.chem-crete.com](http://www.chem-crete.com)
- 1.5. Emergency Contacts** CHEMTREC (800) 424 9300 OR +1 (703)527 3887

## 2. HAZARDOUS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE MIXTURE

#### 2.1.1. Classification in Accordance with GHS (5<sup>th</sup> Edition)

Skin Irritation 2	H315	Causes Skin Irritation
Eye Damage 1	H318	Causes Serious Eye Damage
Skin Sensitizer 1	H317	May Cause an Allergic Skin Reaction
Specific Target Organ Toxicity – Single Exposure 3	H335	May Cause Respiratory Irritation
Specific Target Organ Toxicity – Single Exposure	H373	May Cause damage to Respiratory Organs Through Prolonged or Repeated Exposure

### 2.2. LABEL ELEMENT: In Accordance with GHS (5<sup>th</sup> Edition)



**DANGER**

### 2.3. HAZARD STATEMENTS

H315	Causes Skin Irritation
H318	Causes Serious Eye Damage
H317	May Cause an Allergic Skin Reaction
H335	May Cause Respiratory Irritation
H373	May Cause damage to Respiratory Organs Through Prolonged or Repeated Exposure

### 2.4. PRECAUTIONARY STATEMENTS

P280	Wear Protective Gloves / Protective Clothing / Eye Protection / Face Protection & Approved Duct Masks
P260	Do Not Breathe Dust
P264	Wash Thoroughly After Handling

### 2.5. RESPONSIVE PRECAUTIONARY STATEMENTS

P260	Don't Breathe Dust
P264	Wash Thoroughly After Handling
P280	Wear Protective Gloves / Protective Clothing / Eye Protection / Face Protection
P305 + P351 + P338	<b>If in Eyes:</b> Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to Do. Continue Rinsing.
P310	Immediately Call a Poison Center or Doctor / Physician
P304 + P340	If Inhaled: Remove Victim to Fresh Air and Keep at Rest in a Position Comfortable for Breathing.



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### 2 – COMPOSITION

Substance(s)	CAS No.	EEC No.	% wt.	Regulations
Portland Cement	65997-15-1	n/a	25-50%	Xi; R41
Silica Sand	14808-60-7	n/a	30-60%	

### 4 – FIRST AID MEASURES

<b>Inhalation:</b>	Remove from exposure. In case of respiratory irritation or if feeling unwell, obtain medical attention.
<b>Eyes:</b>	Immediately flood the eye with plenty of water for at least 15 minutes. Obtain medical attention immediately.
<b>Skin:</b>	Wash skin thoroughly with soap and water. Seek medical help if blistering occurs or persisted redness.
<b>Ingestion:</b>	Do not induce vomiting. Wash out the mouth with water.

### 5 – FIRE-FIGHTING MEASURES

<b>Suitable Extinguisher:</b>	Not combustible. Select suitable extinguishing media for other involved materials.
<b>Unsuitable Extinguisher:</b>	n/a
<b>Hazardous Decomposition:</b>	n/a
<b>Special Procedures:</b>	n/a

### 6 – ACCIDENTAL RELEASE MEASURES

<b>Exposure Controls:</b>	Minimize exposure to dust and minimize contact with skin.
<b>Personal Protection:</b>	Wear appropriate protective clothing
<b>Disposal Consideration:</b>	Dispose according to local regulations.

### 7 – HANDLING AND STORAGE

<b>Handling:</b>	Avoid inhaling dust. Minimize contact with skin. Use in well ventilated area if dust is expected.
<b>Storage:</b>	Storage area should be dry and at normal ambient temperatures.

### 8 – EXPOSURE CONTROLS

<b>Occupational Exposure Limit:</b>	OSHA TWA	UK EH40	
	Cement	10 ppm	10ppm
	Silica Sand	6 ppm	6 ppm

### 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	: Grey or White Powder
<b>Odour</b>	: Cement odor
<b>pH:</b>	: 9.1 – 9.8
<b>Boiling Point/ Range, °F (°C)</b>	: n/a
<b>Melting Point/ Range, °F (°C)</b>	: n/a
<b>Flash Point, °F (°C)</b>	: n/a
<b>Flammability</b>	: n/a
<b>Autoflammability</b>	: n/a
<b>Explosive Properties</b>	: n/a
<b>Oxidizing Properties</b>	: n/a
<b>Vapor Pressure</b>	: n/a
<b>Relative Density (S.G.)</b>	: 1.6 – 2.8
<b>Solubility</b>	: Powder forms slurry with water, hardens over time



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### 10 – STABILITY AND REACTIVITY

Stable under normal conditions.

Avoid strong mineral acids.

No hazardous polymerization.

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Low order to acute toxicity

**Eye Irritation:** cement is a severe eye irritant. Mild or prolonged exposure can lead to chemical burning and ulceration of the eye.

**Skin Irritation:** Cement and cement mixtures may cause irritant dermatitis, allergic dermatitis, and or burns.

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** The product is expected to be non-hazardous to aquatic species

**Persistence:** Non biodegradable (inorganic)

**Bioaccumulative potential:** Product is not expected to bioaccumulate

**Mobility:** The product is partially soluble in water.

### 13– DISPOSAL CONSIDERATION

**Waste from Residue/Unused products** The product is an inert material, it may be disposed with an approved solid waste disposal facility.

**Packaging:** Empty packaging may be disposed along with normal builder's waste with an approved waste contractor.

### 14 TRANSPORTATION INFORMATION

Not classified as hazardous for transport.

### 15 REGULATORY INFORMATION

**Risk and Safety:** R41 (risk of serious damage to the eye)  
S24/25 (avoid contact with eyes and skin)  
Keep out of reach of children

**Other Regulations:** OSHA Hazard Communication Standards 29 CFR 1910.1200  
EC safety Data Sheet Directive EC/91/55  
Health and Safety at Work UK Act 1974  
Control of Substances Hazardous to Health Regulation 2004 as amended  
Environmental Protection Act 1990

#### HIMS RATING

HEALTH	1*
FLAMMABILITY	0
PHYSICAL HAZARD	0
PROTECTIVE EQUIP	E
*chronic	

### 16 OTHER INFORMATION

The information in this safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management for people working with or handling these products. This information is believed to be reliable and updated at revision date, and represents the best information currently available and known by International Chem-Crete Inc. (ICC). However, ICC makes no guarantee or warranty, expressed or implied, with respect to such information and assumes no liability from its use. This information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.