



## MATERIAL SAFETY DATA SHEET

### SECTION-1

#### PRODUCT & COMPANY IDENTIFICATION

IDENTITY : DUROCEM EXTRA  
MATERIAL : DRY POWDER FORMULATION

Code	None
Date Of Issue	08/01/2011
FORMULA : Not Applicable	<u>Chemical Name Or Synonyms</u> : PORTLAND CEMENT BASED COATING

MANUFACTURER'S NAME : BERGER PAINTS INDIA LIMITED

ADDRESS (NUMBER, STREET, CITY, STATE, PIN) :

FACTORY : 14 & 15 SWARNAMOYEE ROAD P.O. BOTANIC GARDEN, Howrah – 711103	TELEPHONE No :  + 91-33-2668-4706 - 09
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PREPARED ON	08/01/2009



## SECTION-2

### COMPOSITIONAL INFORMATION :

Powders containing Portland Cement, inorganic filler, pigments and small quantities of other additives.

	<b>CAS REG. NO.</b>	<b>APPROX. WT. %</b>
<b>Portland Cement</b>	<b>65997-15-1</b>	<b>80 Max.</b>
<b>Titanium Dioxide (TD)</b>	<b>13463-67-7</b>	<b>5 Max.</b>
<b>Inorganic Filler (IF)</b>	<b>Mixture</b>	<b>50 Max.</b>

EEC Symbol : Xi      R Phrases: 20 & 36/38

## SECTION-3

### HAZARD INFORMATION

When mixed with water or contact of powder with body fluids produces a strongly alkaline solution. This may cause serious burns and ulceration both to the skin and eyes. All Portland cement based products, until set, may cause dermatitis due to either its high alkalinity or hexavalent chromium salts present in Portland Cement.



## SECTION-4

### FIRST-AID MEASURES

- Inhalation : Move subject to fresh air.
- Eye & Skin Contact : Flush eyes with a large amount of water for at least 15 minutes. See a physician, if irritation persists. Wash affected skin areas with soap and water.
- Ingestion : If swallowed, do not induce vomiting. Give the person plenty of water to drink. Seek medical attention.

## SECTION-5

### FIRE HAZARD INFORMATION

- Flash Point : Non-flammable and Non-combustible
- Auto Ignition Point : Not applicable
- Lower Explosion Limit (%) : Not applicable.
- Upper Explosion Limit(%) : Not applicable

## SECTION-6

### ACCIDENTAL RELEASE MEASURE

- **Steps to be taken in case material is released or spilled**

Keep spectators away. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Prevent contamination of surface water. Recover spillage in dry state if possible. Minimise generation of airborne dust. The product can be slurried with water. Keep children away from clean up operations. Dispose to a place authorized to accept builder's waste. Small quantities can be disposed of as normal house hold waste.



## SECTION-7

### STORAGE AND HANDLING INFORMATION

- Handling : Appropriate personal protection should be used while handling.
- Storage : Bags should be stacked in safe and stable manner. Store in dry conditions.

## SECTION-8

### EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation Type : Mechanical, local exhaust ventilation at point of contaminated release.
- Respiratory Protection : Wear suitable respiratory protection system where exposure limits are exceeded.
- Protective Gloves : Thin rubber gloves
- Eye Protection : Chemical Splash goggles.

## SECTION-9

### PHYSICAL PROPERTY / CHEMICAL PROPERTY INFORMATION

- Physical state : Particulate
- Particle Size : 5-100 Microns
- pH : pH of wet cement 12-14
- Viscosity : N.A
- Melting or Freezing Point : N.A
- Boiling Point : N.A
- Vapour Pressure (mm HG) : N.A
- Vapour Density (Air – 1) : N.A
- Solubility in Water : N.A
- %Volatile (by Wt.) : N.A
- Specific Gravity : Greater than 1
- Evaporation Rate : N.A



## **SECTION-10**

### **STABILITY AND REACTIVITY**

Stability	:	Stable under normal room temp storage conditions.
Conditions to Avoid	:	Direct contact with water and damp.
Hazardous Decomposition Products	:	N.A
Hazardous Polymerization	:	N.A

## **SECTION-11**

### **TOXICOLOGICAL INFORMATION**

#### **Eye Contact**

Cement constituent is severe eye irritant. Mild exposures can cause soreness. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.

#### **Skin Contact**

The powder or product/water mixture may cause irritation, contact dermatitis or allergic dermatitis and/or burns.

#### **Inhalation**

Inhalation of the powder may cause inflammation of mucous membranes.

#### **Ingestion**

The swallowing of small amounts of product or product /water mixtures is unlikely to cause any significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

## **SECTION-12**

### **ECOLOGICAL INFORMATION**

No experimental data of the product available.

The addition of Portland cement based products to water may, however, cause the pH to rise and therefore may be toxic to aquatic life in some circumstances.



## **SECTION-13**

### **WASTE DISPOSAL METHOD**

Dispose of empty bags or surplus product to place authorised to accept builder's waste. Keep out of reach of children. Small numbers of bags can be disposed of as normal household waste.

## **SECTION-14**

### **TRANSPORT INFORMATION**

Classification of Transport not required.

## **SECTION-15**

### **REGULATORY INFORMATION**

Contact us for the latest information.

## **SECTION-16**

### **OTHER INFORMATION**

None.

*The information contained in the Material Safety Data Sheet is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients were advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances.*