



## SAFETY DATA SHEET

### 1. 1. PRODUCT IDENTIFICATION:

**Product:** DURABOND CERAMIC WALL TILE GROUT/ DURABOND EASY GROUT

**Description:** Durabond Easy Grout is a ceramic wall tile grout for grouting between ceramic wall tiles

**Manufacturer:** Halls Beeline Ltd.  
Northgate White Lund Estate,  
Morecambe,  
Lancashire,  
LA3 3PA  
England

Emergency Telephone: 00 44 1524 632 33  
Fax: 00 44 1524 657 92

**Supplier:** McLoughlins RS,  
Unit 5,  
Northern Cross Business Park,  
Finglas,  
Dublin 11.

Telephone: 00353 1 8239200  
Fax: 00353 1 8239222

### 2. **COMPOSITION/INFORMATION ON INGREDIENTS**

A blend of cement (compounds of Calcium silicate and Calcium aluminate plus gypsum), dolomite and additives to improve adhesion and rheology. A powder blend to which water is added to activate.

### 3. **HAZARDS**

#### 3.1 **Hazardous Ingredients**

- 3.1.1 The lime, calcium silicates and alkalis within the cement are partially soluble and when mixed with water will give rise to a potentially hazardous alkaline solution.
- 3.1.2 Hexavalent chromium salts in these cements are soluble and when mixed with water, will give rise to a potentially hazardous solution.

#### 3.2 **Hazards Identification**

- 3.2.1 When the product is mixed with water or becomes damp, a strong alkaline solution is produced. If this comes into contact with the eyes or skin it may cause serious burns and ulceration. The eyes are particularly vulnerable and damage will increase with contact time.  
Strong alkaline solutions in contact with the skin tend to damage nerve endings first before damaging the skin, therefore chemical burns can develop without pain being felt at the time.
- 3.2.2 The powder and water mix may, until set, cause both irritant and allergic contact dermatitis:
- irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials.
  - allergic contact dermatitis is caused mainly by the sensitivity of an individual's skin to hexavalent chromium salts.

#### 4. **FIRST AID MEASURES**

##### 4.1 **Eye Contact**

Irrigate thoroughly with clean water for a minimum of 15 minutes and seek medical advice without delay.

##### 4.2 **Skin Contact**

Wash the affected area thoroughly with soap and water before continuing. If irritation, pain or other skin trouble occurs, seek medical advice. Clothing contaminated by wet adhesive should be removed and washed thoroughly before use.

##### 4.3 **Ingestion**

DO NOT induce vomiting. Wash out mouth with water and give patient plenty of water to drink.

##### 4.4 **Inhalation**

If irritation occurs, move to fresh air. If nose or airways become inflamed seek medical advice.

#### 5. **FIRE FIGHTING MEASURES**

Not flammable and will not facilitate combustion with other materials. Use fire extinguishers as appropriate for surrounding materials.

#### 6. **ACCIDENTAL RELEASE MEASURES**

##### 6.1 **Personal precautions**

Wear protective equipment (see 8).

##### 6.2 **Cleaning up**

Recover the spillage in a dry state if possible. Minimise generation of airborne dust. The product can be slurried by the addition of water but will subsequently set as a hard material. Keep children and animals away from clean up operation.

#### 7. **STORAGE AND HANDLING**

##### 7.1 **Storage**

Stack in a safe and stable manner. Store in dry conditions.

##### 7.2 **Handling**

Appropriate personal protective clothing (see 8.3) should be used whilst handling.

#### 8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

##### 8.1 **Occupational Exposure Standard (OES)**

OES 8 hr Time Weighted Average (TWA)

10 mg/m<sup>3</sup> total inhalable dust

5 mg/m<sup>3</sup> respirable dust

##### 8.2 **Engineering Measures**

Where reasonably practicable dust exposures should be controlled by engineering methods.

##### 8.3 **Personal Protective Equipment**

###### 8.3.1 **Respiratory Protection**

Suitable respiratory protection should be worn to ensure that personal exposure is less than the OES.

###### 8.3.2 **Hand and Skin Protection**

Protective clothing should be worn which ensures that powder or water mixed paste does not come into skin contact.

###### 8.3.3 **Eye Protection**

Dust-proof goggles should be worn wherever there is a risk of powder or any water mixed paste entering the eye.

## 9. PHYSICAL/CHEMICAL PROPERTIES

### 9.1 Physical Data

|                            |   |                               |
|----------------------------|---|-------------------------------|
| Physical State Particulate | : | Particulate - powder          |
| Odour                      | : | Not Applicable (N/A)          |
| pH                         | : | pH of wet cement 12-14        |
| Viscosity                  | : | N/A                           |
| Freezing point             | : | N/A                           |
| Boiling point              | : | N/A                           |
| Melting point              | : | N/A                           |
| Flash point                | : | N/A (not flammable)           |
| Explosive properties       | : | N/A (not explosive)           |
| Density                    | : | Approx 1.05 g/ml <sup>3</sup> |
| Solubility                 | : | N/A                           |

### 9.2 Chemical Compounds

|                     |   |  |
|---------------------|---|--|
| Mainly a mixture of | : | 3 CaO-SiO <sub>2</sub><br>2 CaO-SiO <sub>2</sub><br>3 CaO-Al <sub>2</sub> O <sub>3</sub><br>4 CaO-Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub><br>CaSO <sub>4</sub><br>MgCO <sub>3</sub> |
|---------------------|---|--|

## 10. STABILITY AND REACTIVITY

|   |   |      |
|---|---|------|
| Conditions contributing to chemical instability | : | none |
| Hazardous decomposition products                | : | none |
| Special precautions                             | : | none |

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Short Term Effects

#### 11.1.1 Eye Contact

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

#### 11.1.2 Skin

Ceramic Wall Tile Grout powder or any powder/water mixture may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns.

#### 11.1.3 Ingestion

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

#### 11.1.4 Inhalation

Cement powder may cause inflammation of mucous membranes.

### 11.2 Chronic Effects

High repeated exposures in excess of the OES have been linked with rhinitis and coughing. Skin exposure has been linking to allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixtures than dry cement.

## 12. ECOLOGICAL INFORMATION

### 12.1 Aquatic Toxicity Rating

LC50 aquatic toxicity rating not determined. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstance.

### 12.2 Biological Oxygen Demand (BOD)

Not applicable.

## 13. DISPOSAL CONSIDERATIONS

Dispose of empty bags or surplus to a place authorised to accept builders' waste. Keep out of the reach of children.

## 14. TRANSPORT INFORMATION

Classification for conveyance - not required.

15. **REGULATORY INFORMATION**

15.1 **Chemicals (Hazard Information & Packaging) Regulations 2002**

Classification - Irritant.

15.2 **Risk/Safety Phrases**

Risk Phrases

- \* Contains Chromium (VI). May produce an allergic reaction.
- \* Contact with wet grout may cause irritation, dermatitis or burns.
- \* Contact between grout powder and body fluids (eg sweat and eye fluids) may also cause irritation, dermatitis or burns.
- \* There is a risk of serious damage to eyes.

**Safety Phrases**

- \* Wear suitable protective clothing, gloves and eye/face protection.
- \* In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- \* After contact with skin, wash immediately with plenty of clean water.
- \* Avoid breathing dust.
- \* Keep out of reach of children.

16. **OTHER INFORMATION**

Issue No. 5

This information supplied is, to the best of knowledge, true and accurate, but any recommendations or suggestions made are without guarantee since the conditions of use are beyond our control.