

# BIRKDALE

## PRODUCT HAZARD DATA SHEET

### 1) IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME: **Fencemate Two Step Fast Set Post Concrete**

CHEMICAL NAME: **None**

A dry aggregated powder product used for civil and construction post / footing projects.

SUPPLIER: **Birkdale Sales**

Granville House, The Heights Business Park, Ibstone Road, Stokenchurch, Buckinghamshire, HP14 3BG

Tel: 0845 450 9000

**In an Emergency**      **Dial 999**

### 2) HAZARDS IDENTIFICATION

Irritating to eyes and skin. Risk of serious damage to eyes. May cause burns in the presence of moisture due to generation of strong alkaline solution of Calcium Hydroxide. May cause allergic dermatitis due to the sensitivity of an individual's skin to Hexavalent Chromium salts in the presence of moisture.

### 3) COMPOSITION / COMPONENT INFORMATION ON INGREDIENTS

The principal constituents of this product include Calcium, Ferro, and Sand Silicates, Ferro Sulphates and Aluminates along with small amounts of Alkalis, Lime, and Chlorides together with trace amounts of Chromium Compound.

Hazardous Ingredient- Calcium Hydroxide generated on contact with water. Hexavalent chromium salts dissolve in water. R38, R41. See detail under sections 11 and 15.

### 4) FIRST AID MEASURES

Skin Contact – An irritant; may cause burns in presence of moisture. Remove contaminated clothing. Wash effected area(s) immediately with plenty of water.

Eye Contact – Causes painful irritation and may cause serious damage unless immediate treatment is given. SPEED IS ESSENTIAL. Safely remove any particles from the effected area and irrigate with eyewash or clean water until medical help is obtained. Obtain medical help as soon as possible. It is advisable to ensure that eye wash facilities are available at all times.

Inhalation – Irritating to the respiratory tract in high concentration. Remove from exposure and keep warm and at rest. Irrigate nose and throat with water for at least 20 minutes.

Ingestion – Unlikely to cause any reactions. Larger doses may irritate the gastrointestinal tract. Do Not induce vomiting, wash mouth with water and give copious quantities of water to drink.

#### Further Medical Treatment

Symptomatic, if necessary. No known delayed effects. Prolonged or repeated contact with skin may result in more severe irritation or dermatitis.

Prolonged repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis.

### 5) FIRE FIGHTING MEASURES

Non Combustible and inhibits the spread of flame. No specific fire fighting procedure, extinguisher media or explosion hazard is identified.

### 6) ACCIDENTAL RELEASE MEASURES

Spillages. Contain spillage and keep dry if possible. Use vacuum suction unit, or shovel into bags (using appropriate protective clothing – see Section 8). Cover or enclose area if possible to avoid unnecessary dust hazard. The material can be slurried by the addition of water (see Hazardous ingredient, section 2) but will subsequently set as a hard material. Avoid contamination of drains and watercourses. Spillage into watercourse must be alerted to the Environment Agency or other appropriate regulatory body.

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## 7) HANDLING AND STORAGE

Handling - Avoid contact with skin and eyes. Avoid inhalation of high concentration of dust. In the event of spillage see section 6. Some bags may have a small amount of product on the outer surface. Wear appropriate personal protective clothing while handling.

Storage - This product must be stored in un-opened bags clear of the ground in cool dry conditions and protected from excessive draught and inclement weather.

This must be stored correctly and used within twelve weeks of manufacture.

## 8) EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure standard:

Total inhalable dust - 10mg/m<sup>3</sup> (8hr TWA)

Respirable dust - 4mg/m<sup>3</sup> (8hr TWA)

Handling systems should preferably be enclosed with suitable ventilation installed to maintain atmospheric dust below OES.

Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above the occupational exposure standard is likely. Use approved dust respirators to EN149:2001 category FFP1, or air stream helmet for heavy exposure.

Rubber, Leather or fabric/composite gloves provide suitable hand protection.

Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection.

Long sleeved overalls, close fitting at openings. Boots that resist dust penetration.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Form	-	Fine Powder
Colour	-	Dark Grey to White
Odour	-	None
pH	-	12.4 (partial aqueous solution)
Solubility	-	Some components sparingly soluble
Vapour pressure	-	0 at 20 degrees centigrade
Relative density	-	3.12
Melting/decomposition	-	>1600 degrees centigrade

## 10) STABILITY AND REACTIVITY

Stable.

Minimise products exposure to air to avoid degradation. Reacts vigorously with strong acids. Attacks Aluminium, lead, tin, zinc and brass in the presence of moisture.

Hazardous Decomposition products: - None

## 11) TOXOLOGICAL INFORMATION

Inhalation - High concentration of dust may be irritant to the respiratory tract.

Skin Contact - Irritant in the presence of moisture. May cause burns.

Eye Contact - Painful irritant, with risk of severe permanent damage to eyes.

Ingestion - May cause irritation of the gastrointestinal tract.

Long Term Exposure - Prolonged and repeated skin contact may cause irritant contact dermatitis and/or allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixtures than dry cement.

## 12) ECOLOGICAL INFORMATION

Ecotoxicity – The product is considered to be non toxic. Harmful to aquatic organisms in high concentrations and prolonged contact times.

Mobility – Sparingly soluble in water to form alkaline solution. Low mobility in most ground conditions.

Persistence and degradation – Non bio degradable – reacts with atmospheric and ground moisture and carbon dioxide to form a hard crystalline gel of calcium silicate/aluminate hydrates.

Bio accumulative Potential – The product has no potential accumulate in the food chain.

## 13) DISPOSAL CONSIDERATIONS

Disposal should be in accordance with current local and national legislation. Cement based product can normally be disposed only to licensed waste facilities. Contaminated packaging can be incinerated.

## 14) TRANSPORT INFORMATION

Not classified as hazardous for transport.

IMDG	(sea)	Not Classified
ADR	(road)	Not Classified
RID	(rail)	Not Classified
IATA	(air)	Not Classified

## 15) REGULATORY INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory instrument 2002 no.1689.

<u>Classification for conveyance</u>	: <b>None</b>
<u>Classification for Supply</u>	: <b>Irritant</b>

### Risk Phrases

R38	-	Irritating to skin
R41	-	Risk of serious damage to eyes

### Safety Phrases

S26	-	In case of contact with eyes, rinse immediately with water and seek medical advice.
S37, S39	-	Wear suitable gloves and eye protection
S2	-	Keep out of reach of children.

Occupation Exposure limits 2002 – HSE Guidance note EH40/02  
OES Inhalable dust - 10mg/m<sup>3</sup> (8 hr TWA)  
Respirable dust - 4 mg/m<sup>3</sup> (8 hr TWA)

Data Sheet prepared in accordance with directive 2001/58/EC

## 16) OTHER INFORMATION

The information is based on our present state of knowledge and does not represent a guarantee for any product characteristics.