



# Safety Data Sheet

## SDS004



## SECTION 1 - Chemical Product And Company Identification

<b>Product Identifier</b> Cemfloor		<b>CAS No.</b> N/A	
<b>Product Use</b> Concrete Additive			
<b>Manufacturer's Name</b> McGraths Limestone (Cong) Ltd.		<b>Supplier's Name</b> McGraths Limestone (Cong) Ltd.	
<b>Address</b> Cregaree		<b>Street Address</b> Cregaree	
<b>City</b> Cong	<b>County</b> Mayo	<b>City</b> Cong	<b>County</b> Mayo
<b>Country</b> Ireland	<b>Emergency No.</b> 00353 949553900	<b>Country</b> Ireland	<b>Emergency No.</b> 00353 949553900
<b>Date MSDS Prepared</b> 04-10-2016	<b>MSDS Prepared By</b> McGraths Limestone (Cong) Ltd.	<b>Phone Number:</b> 00353 949553900	

## SECTION 2 - Composition/Information On Ingredients

Ingredients (Specific)	Chemical Formula	CAS Number	Concentration (%)
Calcium Carbonated	CaCO <sub>3</sub>	1317-65-3	85-90
Magnesium Oxide	MgO	1309-48-4	0.5-3
Crystalline Silica	SiO <sub>2</sub>	16389-88-1	<1

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**Doc Originator:** Padraic McGrath  
**Doc Approver:** K. McGrath

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## SECTION 3 - Hazards Identification

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**Routes of Entry:** Inhalation, Ingestion, Absorption Through Skin.

**Emergency Overview:** Cemfloor additive has a slight odour which isn't harmful, and is generally grey or greyish white powder. Contact can cause irritation to eyes and respiratory system.



**DANGER**

**Potential Health Effects:** Eyes: Contact can cause irritation. Skin: Prolonged contact can cause irritation.

Inhalation: Breathing dust may cause nose, throat or lung irritation.

## SECTION 4 - First Aid Measures

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**Skin Contact:** Brush off or remove as much dry dust as possible. Wash exposed area with large amounts of water.

**Eye Contact:** Immediately flush eyes with generous amounts of water or eye wash solution if water is unavailable.

**Inhalation:** Move victim to fresh air. Seek medical attention. If breathing has stopped, give artificial respiration.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

## SECTION 5 - Fire Fighting Measures

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**Non-Flammable:**

**Means of Extinction:** Use most suitable means or a fire extinguisher to extinguish the surrounding fire.

**Explosion Data:** Not considered to be an explosive hazard.

**Fire Fighting Instructions:** Keep personnel away from and upwind of fire. Avoid skin contact or inhalation of dust.

**Hazardous Combustion Products:** When heated above 800C Calcium Oxide may be formed.

## SECTION 6 - Accidental Release Measures

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**Spills/Leak Procedures:** Place spilled material into a container. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin.

**Environmental Measures:** Contain the spillage, keep the material dry if possible. Do not wash into water course or drainage system as this can cause a rapid change in pH harmful to the aquatic environment.

**Cleaning Methods:** Use dry methods to collect spilled material. Care should be taken to avoid causing dust to become airborne.

## SECTION 7 - Handling And Storage

**Handling:** Protect containers from physical damage. Avoid direct skin contact with the material. Avoid breathing any dust.

**Storage:** Store in a cool, dry, and well-ventilated location. Keep out of reach of children. Packed materials should be stored unopened in a stable storage area.

## SECTION 8 - Exposure Control / Personal Protection

**Exposure Limits:** WEL 8Hr TWA 10mgm<sup>-3</sup> (Total inhalable dust).

**Specific Engineering Controls:** Use local exhaust or general dilution ventilation or other dust suppression methods to maintain dust levels below exposure limits.

**Respiratory Protection:** Use approved respirators if airborne concentration exceeds limits.

**Skin Protection:** Use appropriate gloves and footwear to prevent skin contact. Clothing should fully cover arms and legs.

**Eye Protection:** Use safety glasses with side shields or safety goggles. Contact lenses should not be worn when working with this product.

## SECTION 9 - Physical And Chemical Properties

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Greyish White powder	<b>Odour:</b>	Slight
<b>Specific Gravity:</b>	2.61	<b>Vapor Density (air = 1):</b>	N/A	<b>Vapour Pressure:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>Boiling/Decomposition Point (°C):</b>	580	<b>Freezing Point (°C):</b>	N/A
<b>pH:</b>	8-9	<b>Bulk Density:</b>	850-1100kg/m <sup>3w</sup>	<b>Solubility in Water:</b>	Slight

## SECTION 10 - Stability And Reactivity

**Chemical Stability:** Stable under normal conditions

**Incompatibility with Other Substances:** Freely soluble in acid

**Conditions to avoid:** Keep material clean and dry.

**Hazardous Decomposition:** When heated in excess of 825°C Calcium oxide is formed and carbon dioxide is released.

## Section 11 - Toxicological Information

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### Acute Effects:

- **Eye contact:** Direct contact with product may cause corneal damage by mechanical abrasion, inflammation or irritation.
- **Skin Contact:** Exposure to dry or wet product may cause cracking or lesions in the skin.
- **Ingestion:** Large quantities may cause irritation to the gastrointestinal tract.
- **Inhalation:** May irritate the respiratory tract, coughing, sneezing and shortness of breath may occur following exposure to levels in excess of occupational limits.

### Chronic Effects:

- **Inhalation:** Chronic exposure in excess of occupational exposure limits may cause irreversible damage to the respiratory tract.

## SECTION 12 - Ecological Information

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**Eco toxicity:** The product is not expected to be hazardous to the environment under normal conditions of use.

**Mobility:** Not expected to transport to groundwater in case of spill, dust may become airborne.

## Section 13 - Disposal Considerations

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Dispose of waste material and empty sacks at a site authorized to waste or according to local and national regulations.

## SECTION 14 – Transport Information

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Not classified as hazardous for air, sea or road freight.

## SECTION 15 – Regulatory Information

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**Classification:** Directive 67/548/EEC

## SECTION 16 – Other Information

### Risk Phrases:

R37 Irritating to the respiratory system  
R38 Irritating to the skin

### Risk Phrases:

S2 Keep out of reach of children  
S22 Do not breathe dust  
S25 Avoid contact with eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S24 Avoid contact with skin  
S36 Wear suitable protective clothing  
S37 Wear suitable gloves  
S39 Wear eye/face protection

### Further Information:

For technical advice contact technical sales:

Tel 00353 94 9553900      E-mail: [info@mcgraths.ie](mailto:info@mcgraths.ie)  
Fax 00353 94 9546467      Web: [www.mcgraths.ie](http://www.mcgraths.ie)

### Guidance and Reference:

Data sheet updated in accordance with REACH Directive Annex II. This data sheet is supplementary to other technical instruction and guidance and does not replace them. This information is based on data currently available and is correct to the best of our knowledge at the time of publication. This information is given as guidance in assessing safe handling, storage, and use. Recipients of the production must take responsibility for the safe use and disposal of product observing existing laws, regulations and accepted best working practice.

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**IRE Tel:** 00353 94 9553900

**UK Tel:** 0044 1415 30 7587

**E:** [info@Cemfloor.co.uk](mailto:info@Cemfloor.co.uk)