



## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY INFORMATION

Imerys Fused Minerals Hull Ltd.  
Hull Road  
Saltend  
Hull  
HU12 8ED  
United Kingdom  
Tel +44 1482 899141  
Fax +44 1482 890196  
Email Ifm-hu@imerys.com

Product Name                      Electromag all products uncoated

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	EINECS.
Electromag	1309-48-4	215-171-9 Magnesium Oxide, MgO

Free flowing electrically insulating aggregate.

#### 2.1 CHEMICAL ANALYSIS:

MgO 75-99%, SiO<sub>2</sub> 0-10%, CaO 0.5-3.0%, ZrO<sub>2</sub> 0-15%

### 3. HAZARDS IDENTIFICATION:

1. Mild skin irritant.
2. Irritation of mucous membranes by inhalation of excessive dust.
3. Classification according to Regulation (EC) No 1907/2006 and Regulation (EC) No 1272/2008 – The substance is not classified according to the CLP regulation.
4. Labelling according to Regulation (EC) No 1272/2008 is not applicable.

### 4. FIRST AID MEASURES:

1. **Skin Contact** - can act as mild irritant. Wash with soap and water as required.
2. **Eye Contact** - particles can cause physical irritation. Flush with clean water. Seek medical advice if irritation persists.
3. **Inhalation** - excessive dust inhalation can cause irritation of mucous membranes.
4. **Ingestion** - no toxic effects. Treat symptomatically and seek medical advice as necessary.

**5. FIRE FIGHTING:**

No special precautions necessary.

**6. ACCIDENTAL RELEASE MEASURES:**

1. Clean spillage's as necessary.
2. Use vacuum cleaner to avoid excessive dust generation.

**7. HANDLING AND STORAGE:**

1. **Handling** - avoid creating unnecessary excess dust during handling.
2. **Storage** - dry and preferably heated, to minimise possible hydration. Material will go lumpy if exposed to excess moisture.

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

1. **Exposure Limits** - 10 mg/m<sup>3</sup> total dust.  
(8 hours TWA)      04 mg/m<sup>3</sup> respirable dust.
2. **Protective Equipment**
  - Use suitable dust mask in dusty operations.
  - Wear gloves if skin irritation is evident.
  - Wear eye protection during handling.

## 9. **PHYSICAL AND CHEMICAL PROPERTIES:**

1. Melting point - 2800 C
2. Boiling point - > 3600 C
3. S.G. - 3.7 g/cm<sup>3</sup>
4. Solubility - Slightly Soluble
5. Flash point - Not Applicable
6. Colour - White-Yellow
7. Odour - None
8. Hazardous decomposition products: none for uncoated products.
9. Hazardous reactions: none for uncoated products.

## 10. **STABILITY AND REACTIVITY:**

Slightly soluble in water, soluble in acids, insoluble in alkalis. Uncoated products readily absorb carbon dioxide and moisture from air causing free flowing powder to agglomerate.

## 11. **TOXICOLOGICAL INFORMATION:**

Classified as non-toxic, TDLo 400 mg/kg (inhalation).

## 12. **ECOLOGICAL INFORMATION:**

No specific data. Water repellent versions may release small volumes of CO and CO<sub>2</sub> following heating.

## 13. **DISPOSAL CONSIDERATIONS:**

No special precautions required - follow local requirements.

## 14. **TRANSPORT INFORMATION:**

International regulations

Land-Rail/road (RID/ADR) NOT restricted

-Sea (IMO/IMDG) NOT restricted

-Air (ICAO-IATA) Passenger aircraft: NOT restricted

Cargo aircraft: NOT restricted

NOTE: The above regulatory prescriptions are those valid at the date of publication of this sheet

**15. REGULATORY INFORMATION:**

Current dust exposure limits to be found in latest editions of Health and Safety Executive Guidance Note EH40.

**16. OTHER INFORMATION:**

The material is not currently classified under REACH regulations EU 1907/2006.

Silicone treated products contain very small quantities (<0.5 wt%) of methyl polysiloxane cured onto the surface. Risk levels from hazards described are very low.

**IMERYS FUSED MINERALS HULL LTD.  
January 2014**