

FURSE EARTHING & LIGHTNING PROTECTION

# CM035 - FurseCEM™

## Safety Data Sheet (SDS)

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PREPARED 2019-10-03     APM	STATUS Approved	SECURITY LEVEL Public		
APPROVED 2019-12-11     APM	DOCUMENT KIND Safety Data Sheet			
OWNING ORGANIZATION EPIP GBNTG R&D	DOCUMENT ID. <b>CM035_SDS_01</b>	REV. A	LANG. en	PAGE 1/10

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## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

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### 1.1. Product Identifier

Product Name: FurseCEM™  
Pure substance/mixture: Substance  
REACH registration number: Exempt

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Construction material; earthing.  
Uses advised against: No additional information available.

### 1.3. Details of the supplier of the safety data sheet

Company Name: ABB Furse (ABB Ltd.), Wilford Road, Nottingham NG2 1EB  
United Kingdom.  
Contact: Mr. Surinder Kareer, Tel: +44 (0)115 964 3875

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## 2. HAZARDS IDENTIFICATION:

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### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects.

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable.

### 2.3. Other hazards

No additional information available.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

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#### 3.1. Substances

Name: FurseCEM™

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.

#### 3.2. Mixtures

Not applicable

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### 4. FIRST AID MEASURES:

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#### 4.1. Description of first aid measures

First-aid measures general:	If you feel unwell, seek medical advice.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	Wash skin with plenty of water and soap.
First-aid measures after eye contact:	Rinse immediately with plenty of water (for at least 15 minutes).
First-aid measures after ingestion:	Do not induce vomiting. Rinse mouth out with water. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:	Inhalation of dust: May cause shortness of breath, tightness of the chest, sore throat and coughing.
Symptoms/effects after skin contact:	May cause skin irritation.
Symptoms/effects after eye contact:	May cause eye irritation.
Symptoms/effects after ingestion:	On ingestion in large quantities: May cause gastric irritation.
Chronic symptoms:	In case of excessive dust production: Possible respiratory damage following repeated or prolonged inhalation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES:

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### 5.1. Extinguishing media

Suitable extinguishing media: The product is not flammable. Adapt extinguishing media to the environment.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting: Self-contained breathing apparatus. Complete protective clothing.

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## 6. ACCIDENTAL RELEASE MEASURES:

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### 6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ventilate spillage area. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

#### 6.1.1. For non-emergency personnel

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Shovel or sweep up and put in a closed container for disposal. Minimize generation of dust.

Other information: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 7 / 8 / 13.

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## 7. HANDLING AND STORAGE:

### 7.1. Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the work station. Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Hygiene measures:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a well-ventilated place. Keep cool. Protect from sunlight. Store in a dry place.

### 7.3. Specific end use(s)

No additional information available

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves. Material: Nitrile rubber (EN 374).

Eye protection:

Chemical goggles or safety glasses (EN 166).

Skin and body protection:

Protective clothing (EN ISO 13688).

Respiratory protection:

If ventilation is insufficient, wear suitable respiratory equipment. Filter: Type FFP2 (EN 149).



Environmental exposure controls:

Avoid release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### 9.1. Information on basic physical and chemical properties

Physical state:

Solid

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Appearance:	Granular solid.
Colour:	Black or grey.
Odour:	Odourless.
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Solubility: Water:	Insoluble
Log Pow:	No data available
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	Not applicable
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

## 9.2. Other information

No additional information available

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## 10. STABILITY AND REACTIVITY:

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### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents. Strong acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Combustion generates: Carbon dioxide/carbon monoxide.

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## 11. TOXICOLOGICAL INFORMATION:

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### 11.1. Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

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## 12. ECOLOGICAL INFORMATION:

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### 12.1. Toxicity

Acute aquatic toxicity:	Not classified
Chronic aquatic toxicity:	Not classified

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**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

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**13. DISPOSAL CONSIDERATIONS:**

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**13.1. Waste treatment methods**

Regional legislation (waste):

Disposal must be done according to official regulations.

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code:

17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

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## 14. TRANSPORT INFORMATION:

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

Overland transport:	Not applicable
Transport by sea:	Not applicable
Air transport:	Not applicable
Inland waterway transport:	Not applicable
Rail transport:	Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## 15. REGULATORY INFORMATION:

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

FurseCEM™ is not on the REACH Candidate List

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FurseCEM™ is not on the REACH Annex XIV List

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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## 16. OTHER INFORMATION:

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A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

### 16.1. Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### 16.2. Revision history

Rev.	Page (P) Chapt. (C)	Description	Date Dept./Init.
A	All	First issue in ABB format.	11/12/2019 GBNTG R&D APM.

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