

## MATERIAL SAFETY DATA SHEET FOR CARBON & GRAPHITE POWDERS & CEMENT

Voluntary information & advice for the safe use of products supplied by Olmec Advanced Materials Ltd

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### 1. Identification of the Substance/Preparation

**GRADES:**

MF Fines, SYN-x, PWD/CK-200, 50m, 1200m, 406, General Graphite & Carbon Powders and r/c powder/lump.

**Manufacturer/Supplier Details:**

**OLMEC ADVANCED MATERIALS LTD**

Unit 37 , Venture One Business Park,  
Longacre Close, Sheffield S20 3FR

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**Information Providing Division:**

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Health & Safety Manager  
**Tel:** +44 (0) 114 236 1606

**Emergency Information:**

**Contact:**

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## 2. Composition/Components

**Chemical Characterisation:**

Product/material based on Carbon and/or Graphite

**Hazardous Ingredients:**

No ingredient is classified hazardous acc. To 57/548/ECC

**Additional Information:**

None

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## 3. Possible Hazards

**Information on particular hazards to human and environment**

None

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## 4. First Aid Measures

**General Information:**

None

**After Inhalation:**

After inhalation of significant quantities of dust, take affected person to fresh air

**After Skin Contact:**

None

**After Eye Contact:**

Rinse with plenty of water

**After Ingestion:**

Drink Water

**Particular Advice for the Physician:**

None

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## 5. Fire-fighting Measures

### Suitable Extinguishing Media:

Foam, sand, Carbon Dioxide, dry powder, water drizzle, water mist

### Unsuitable Extinguishing Media (for safety reasons):

Direct water spray, Halones

### Particular risk arising from the substance/preparation itself, its combustion products or from formed Gases:

Machining dust may glow in Oxygen containing atmosphere above 350°C. During glowing, and in case of fire, CO/CO<sub>2</sub> is generated resulting in the possible release of SO<sub>2</sub>/SO<sub>3</sub>

### Special Protection Equipment needed for fire-fighting:

None. In case of insufficient ventilation, use respiration equipment to prevent the inhalation of CO/CO<sub>2</sub>

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## 6. Measures in case of Accidental Release

### Personal Precautions:

If needed, protection mask (dust or half mask P1) – Note FFP2(S) Mask is suitable

### Environmental Precautions:

None

### Methods for Cleaning/Taking up

Remove mechanically

### Additional Information:

None

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## 7. Handling and Storage

### Handling:

#### Advice on safe handling:

None

#### Advice on protection against fire and explosion:

None if properly used

### Storage:

#### Requirements on Storage and Tanks:

None

#### Advice on storage assembly:

None

#### Additional information on storage conditions:

None

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## 8. Exposure limitations and personal protection equipment

### Measures for limitation and monitoring of exposure:

During machining and dust formation, ensure good ventilation in the work area

### Additional advice on the design of technical equipment:

None

### Ingredients with occupational exposure limits to be monitored:

CAS No.	Name of Substance	Type Value Unit
007782-42-5	Graphite (Fine Dust)	MAK 6 mg/m <sup>3</sup>

### Additional Advice

None

### Personal Protective Equipment:

### General protective and hygiene measures:

None

### Respiratory Protection:

P1 mask, if dust is formed

### Hand protection:

None

### Eye Protection:

Safety glasses if dust is formed

### Body Protection:

None

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## 9. Physical and Chemical Properties:

Form: Solid  
Colour: Grey/Black  
Odour: None

### Data relevant to safety:

Parameter		Value/range	Unit	Method
Softening point		not applicable		
Boiling point/range		not applicable		
Ignition temperature:		not applicable		
Self ignitability:		none (**)		
Inflammable properties		none		
Explosive risk:		none (**)		
Explosion limits:	upper	not applicable		
	lower	not applicable		
Vapour pressure:	at 20°C	not applicable		
Density:	at 20°C	approx. 1,4-2, 1 g/cm <sup>3</sup>		
Solubility:	in water at 20°C	none		
PH-Value:		not applicable		
Partition coefficient: n-octanol/water		not applicable		
Viscosity:		not applicable		
Additional information:	none			
Remarks:		(**) if properly used and stored		

## 10. Stability and Reactivity

### Conditions to be avoided:

None

### Contact with substances to be avoided:

None

### Hazardous decomposition:

None if used in accordance with description

### Additional Information:

None

## 11. Toxicological Information:

No toxic effects are known due to product handling

## 12. Ecological Information

No harmful ecological effects are known from handling the product

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## 13. Disposal Considerations

### Product/Preparation:

Dispose in accordance with local authority/state regulations

Dispose as household waste

Waste Code (D) No. 31432

### Contaminated packing material:

Dispose in accordance with local authority regulations

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## 14. Transport information

Classified Non-hazardous material according to transport regulations

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## 15. Regulatory Information

### Labelling according to EU regulations:

Code letter and hazard symbol for the product:

Not subject to mandatory marking

Hazardous ingredient(s) relevant for labelling:

None

R-phrases:

None

S-phrases:

None

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## 16. Other Information:

None

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**Material Safety Data Sheet – produced by Olmec Advanced Materials Limited, Sheffield, UK**

**This information is considered to be accurate based upon our present state of knowledge. It is provided in order to describe the product with respect to safety requirements and does not therefore guarantee specific properties of the product or its suitability for any particular application. This information does not substantiate a contractual agreement.**

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