

MATERIAL SAFETY DATA SHEET FOR CARBON & GRAPHITE POWDERS & CEMENT

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

1. Identification of the Substance/Preparation

GRADES:

SYN6, PWD/CK-200, 50M, 1200M, 406, General Graphite & Carbon Powders from r/c powder/lump

Manufacturer/Supplier Details:

OLMEC ADVANCED MATERIALS LTD

12 Terminus Road
SHEFFIELD
S7 2LH

Tel: +44 (0) 114 236 1606
Fax: +44 (0) 114 262 1202
Email: info@olmec.co.uk
Great Britain Website: www.olmec.co.uk

Information Providing Division:

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Emergency Information:

Contact:

Health & Safety Manager
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CERT NO. 1644 QMS 001
ISO 9001



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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

3. Possible Hazards

Information on particular hazards to human and environment

None

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/CO₂ is generated resulting in the possible release of SO₂/SO₃

Special Protection Equipment needed for fire-fighting:

None. In case of insufficient ventilation, use respiration equipment to prevent the inhalation of CO/CO₂

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

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 ³

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 ³		
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

14. Transport information

Classified Non-hazardous material according to transport regulations

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

16. Other Information:

None

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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