

**MATERIAL SAFETY DATA SHEET**  
**MSDSCAR4 FOR CARBON & GRAPHITE SOLIDS**  
**18 Nov 2016**

Voluntary information & advice for the safe use of products supplied by Olmec Advanced Materials Ltd according to Art 1 (1) b) of directive 91/155 EEC for substances classified as non hazardous  
Revised 18 May 2012-05-18 Printed May 18 2008

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**1 Identification of the Substance/Preparation**

**GRADES: MCCA MRCM VO/M Y450 Y580T Y459CM Y583CMZ Y597CM Y580 Y613 TV7 Y459 Y464B Y460B Y597 Y350T, Y325R, Y350R, Y442, Y448, Y444.**

**Manufacturer/Supplier Details:**

OLMEC ADVANCED MATERIALS LTD  
Unit 37, Long Acre Close  
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**Information Providing Division:**

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**Emergency Information:**

Contact: Health & Safety Manager

Tel: +44 (0) 114 236 1606

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**2 Composition/Components**

**Chemical Characterisation:**

Product/material based on Carbon and/or Graphite Graphite CAS-Nr 7782-42-5

**Hazardous Ingredients:**

No ingredient is classified hazardous acc. To 67/548/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

#### 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<sup>2</sup> is generated resulting in the possible release of SO<sup>2</sup>/SO<sup>3</sup>

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

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





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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 or Precision Mask P1

**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:**

Omit



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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		
	lower		
Vapour pressure:	at 20°C		
Density:	at 20°C		
Solubility:	in water at 20°C	approx. 1.4 - 2.1 g/cm <sup>3</sup>	
PH-Value:		none	
Partition coefficient:		not applicable	
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



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**12 Ecological Information**

No harmful ecological effects are known from handling the product

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**13 Disposal Considerations****Product/Preparation:**

IF relevant contamination is avoided, the material can remain in the economic cycle and further use is possible if not  
Dispose in accordance with local authority/state regulations  
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

Material Safety Data Sheet – produced by Olmec Advanced Materials Ltd., Sheffield

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**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.**