

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1 of 3

GRAPHITE POWDER

Revision 0
Revision date 23-Mar-2011

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name GRAPHITE POWDER

Company Elemental Microanalysis Ltd
Hameldown Road
Okehampton Business Park
Exeter Road
Okehampton
Devon EX20 1UB
United Kingdom
info@microanalysis.co.uk
www.microanalysis.co.uk

Telephone +44 (0) 1837 54446

Fax +44 (0) 1837 54544

Emergency telephone number +44 (0) 1837 54446

2. HAZARDS IDENTIFICATION

Main hazards No Significant Hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Carbon (Graphite respirable)	100%	1333-86-4	215-609-9	

4. FIRST AID MEASURES

Skin contact Wash with soap and water.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation May cause irritation to mucous membranes. Move the exposed person to fresh air.

Ingestion Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

GRAPHITE POWDER

Revision 0
Revision date 23-Mar-2011

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Carbon (Graphite respirable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 4 WEL 15 min limit mg/m3: -
Carbon (Carbon black)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 3.5 WEL 15 min limit mg/m3: 7

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Powder.
Colour	Black.
pH	>7 (50g/l) (20°C)
Boiling point	>3000°C
Flammability limits	45s Method: VDI2263
Explosive	Dust: 50g/m3 Method: VDI2263
Relative density	1.7-1.9g/CM3 (20°C) Bulk 200-500kg/M£
Water solubility	Insoluble in water.
Melting point	>3000°C

10. STABILITY AND REACTIVITY

Conditions to avoid	Heat, sparks and open flames.
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11. TOXICOLOGICAL INFORMATION

Toxicological information

Carbon	Oral Rat LD50 = >8000mg/kg
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GRAPHITE POWDER

Revision 0
Revision date 23-Mar-2011

12. ECOLOGICAL INFORMATION

Ecotoxicity

Carbon

Algae EC50/72h = 10000mg/l (NOEC)

Daphnia LC50/24h = 5600mg/l

Brachydanio Rerio LC50/96h = 1000/mg/l

Degradability Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Risk phrases No Significant Hazard.

16. OTHER INFORMATION

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.