



MPL Products
26 Baddesley Way
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Australia, Post Code – 6155
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MATERIAL SAFETY DATA SHEET GRAPHITE POWDER

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER : MPL Products
26 Baddesley Way, Canning Vale
Western Australia, 6155
Australia
E-mail : mplexim61@gmail.com

PRODUCT NAME : SYNTHETIC GRAPHITE
PRODUCT USE AS : DRILLING FLUID ADDITIVES.

SECTION 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Not regarded as a health hazard under current legislation. However, exposure limits detailed In Section 8 should be observed.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME:	EINECS	CAS No.:	CONTENT	SYMBOL	RISK:
GRAPHITE	231-955-3	7782-42-5	100wt%	NC	Not classified.,
Proprietary Blend		< 20%	Not Dangerous according to directive 2001/58/EC		

SECTION 4 - FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Get medical attention If any discomfort continues.

INGESTION: Immediately rinse mouth and provide fresh air. DO NOT Induce vomiting. Get medical Attention Immediately.

SKIN: Wash the skin Immediately with soap and water. Get medical attention If irritation persists after washing. Remove contaminated clothing and shoes and thoroughly clean before re-use.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Fire can be extinguished using Foam. Carbon dioxide (CO₂). Water spray, fog, or mist. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES: No specific fire fighting procedure given.



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UNUSUAL FIRE & EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, steam and smoke.
PROTECTIVE MEASURES IN FIRE: Self contained breathing apparatus and suitable protective clothing must be worn in fire conditions

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL RECAUTION IN SPILL:

Wear protective clothing and equipment. Spillages may be slippery underfoot. Wear safety slip-proof shoes during the clean-up operation. For further information on suitable protective clothing see Section 8 of the safety data sheet "Exposure Controls and Personal Protection".

PRECAUTIONS TO PROTECT ENVIRONMENT:

Dyke to prevent entering any sewer or waterway. Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or appropriate barriers.

SPILL CLEANUP METHODS:

Sweep up and reclaim or transfer to waste containers as appropriate, avoiding the creation of excess dust. Wash spillage site with water and detergent. See Section 13, Disposal Considerations, for information regarding the disposal of contained spills.

SECTION 7 - HANDLING AND STORAGE

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Protective measures during handling are detailed in Section 8 of this Safety Data Sheet. Graphite, being conductive, can cause short circuits and other electrical malfunctions.

STORAGE PRECAUTIONS:

Flammable combustible - Keep away from oxidizers, heat and flame. Keep in cool, dry, ventilated storage and closed containers.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT NAME	CAS NO STD	LT EXP 8 HRS	ST EXP 15 MINS
GRAPHITE	7782-42-5	OES 10 mg/m ³	No std

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard. Total Inhalable Dust. The Long-Term (8hr) OES for respirable dust is 4 mg/m³.

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: If the atmospheric concentration exceeds the Occupational Exposure Limit, use Dust mask/respirator.

PROTECTIVE GLOVES: Use protective gloves made of rubber, neoprene or PVC. or cloth

EYE PROTECTION: Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION: Use engineering controls to reduce air contamination to permissible exposure level. Wear dust masks in dusty areas.



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HYGIENIC WORK PRACTICES:

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Solid.

APPEARANCE	: GRAY TO BLACK SOLID	ODOUR	: ODORLESS
SOLUBILITY	: Insoluble In Water at 20 Deg C	SPECIFIC GRAVITY	: 2.25 Gm/Cc at 16 Deg C
PH DILUTED SOLUTION	: 7 @ 1 % aqueous solution by mass	MOL.WEIGHT	: 12.00
MELTING POINT	: > 1500 Deg C	FLASH POINT	: NA
AUTO IGNITION TEMP	: NA	FLAMMABILITY LIMIT	: NA

SECTION 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of Ignition.

HAZARDOUS POLYMERIZATION: Will not polymerize.

MATERIALS TO AVOID: CHLORINE TRIFLUORIDE, FLUORINE, POTASSIUM, Strong oxidizing agents, Strong acids\alkalis.

HAZARDOUS DECOMP. PRODUCTS: Fire or high temperatures create oxides of Carbon

SECTION 11 - TOXICOLOGICAL INFORMATION

INHALATION: Dust may irritate respiratory system or lungs.

INGESTION: Low Oral Toxicity.

SKIN: May cause mild irritation.

EYES: May cause mild mechanical irritation.

HEALTH WARNINGS: Agent causing benign pneumoconiosis. Benign pneumoconiosis (dust disease). Fibrosis.

MEDICAL SYMPTOMS: Severe pulmonary irritation. General respiratory distress; unproductive cough.

Pulmonary oedema, frothy sputum. Peripheral neuropathy.

MEDICAL CONSIDERATIONS: Chronic respiratory and obstructive airway diseases.

SECTION 12 - ECOLOGICAL INFORMATION

INFORMATION: ECOLOGICAL

Product is on the PLONOR List ie. poses little or no risk to the environment

WATER HAZARD CLASSIFICATION:

UK OCNS Hazard Quotient Band (8.5 section): Gold

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Landfill of admix with acid Industrial wastes prior to lagooning. Dispose of all residues In accordance with applicable waste management regulations.



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SECTION 14 - TRANSPORTATION INFORMATION

ROAD TRANSPORT:

ROAD TRANSPORT NOTES: Not Classified for Road Transport

RAIL TRANSPORT:

RAIL TRANSPORT NOTES: Not Classified for Rail Transport

SEA TRANSPORT:

SEA TRANSPORT NOTES: Not Classified for Sea Transport

AIR TRANSPORT:

AIR TRANSPORT NOTES: Not Classified for Air Transport

RISK PHRASES: Not classified.

SAFETY PHRASES: Not classified.

UK REGULATORY Prepared In accordance with the Chemicals (Hazard Information & Packaging for Supply) Regulations. 2002(CHIP 3).

SECTION 15 - REGULATORY INFORMATION

RISK : None under normal operating conditions.

REGULATIONS:

Synthetic Graphite(CAS: None):

No regulations applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations – as far as applicable - : 67/548/EEC, 1999/45/EC, 76/769/EEC, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, as well as the following British legislation:

- The Control of Substances Hazardous to Health Regulations (COSHH) 2002
- COSHH Essentials
- The Management of Health and Safety at Work Regulations 1999

SECTION 16 - OTHER INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in Combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy; reliability; or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.