

**G&H® Wire Company**2165 Earlywood Drive  
Franklin, IN 46131

(317) 346-6655 International

(317) 346-6663 Fax

E-mail: ghmail@ghwire.com

**MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC**

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**1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION**

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- 1.1 Chemical Nature, Sales Name, Use: Graphite Pencil Lead as used in Zand Gauges
- 1.2 Company Identification:  
Distributed by: G&H Wire Company  
P.O. Box 248  
Greenwood, Indiana 46142  
Telephone: 317-346-6655  
Facsimile: 317-346-6663
- 1.3 Emergency Contact: 317-346-6655

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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Graphite, Kaolin, Aluminum Silicate  
OSHA PEL: 10 mg/m<sup>3</sup> tdust  
ACGIH TLV: 1000 ppm (mfr)  
NIOSH Number: MD9659600

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**3. HAZARDS IDENTIFICATION**

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Over exposure may cause redness of eyes or shortness of breath.

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**4. FIRST-AID MEASURES**

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- 4.1 Inhalation: Move to fresh air.  
4.2 Skin Contact: Wash skin with soap and water.  
4.3 Eye Contact: Flush immediately with water.  
4.4 Ingestion: If large amounts are ingested, notify physician.  
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**5. FIRE-FIGHTING MEASURES**

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- 5.1 Suitable Extinguishing Media: Dry Chemical, CO<sub>2</sub>  
5.2 Unsuitable Extinguishing Media: None  
5.3 Particular Hazards: Combustion products may be hazardous.  
5.4 Protective Equipment for Fire-Fighters: Use NIOSH approved self-contained breathing apparatus and full protective equipment.

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**6. ACCIDENTAL RELEASE MEASURES**

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- 6.1 Personal Precautions: None required.
- 6.2 Environmental Precautions: None required.
- 6.3 Cleaning Methods: Sweep or Pick-up with industrial vacuum.

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## 7. HANDLING AND STORAGE

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- 7.1 Handling: Avoid creating excessive dust.
- 7.2 Storage: No special requirements.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Ventilation may be required in presence of excessive dust.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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- 9.1 Form: Solid
  - Color: grey/black
  - Odor: Odorless
- 9.2 Change of State: N/A
  - Melting Point/Range: N/A
  - Boiling Point: N/A
- 9.3 Flash Point: N/A
- 9.4 Ignition Point: N/A
- 9.5 Vapor Pressure (20°C): N/A
- 9.6 Density (20°C):
- 9.7 Solubility in: Water (20°C): No
- 9.8 PH-Value (at 10g/1H<sub>2</sub>O):
- 9.10 Viscosity (20°C):

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## 10. STABILITY AND REACTIVITY

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- 10.1 Thermal Decomposition: Could possible form the following hazardous materials: carbon monoxide, carbon dioxide, methane, propane, acrolein, acids, ketones, and aldehydes
- 10.2 Conditions to Avoid: Not relevant.
- 10.3 Materials to Avoid: None
- 10.4 Hazardous Decomposition Products: CO<sub>2</sub> when burned

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## 11. TOXICOLOGICAL INFORMATION

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- 11.1 Oral Toxicity: Not known
- 11.2 Inhalation: Not known
- 11.3 Skin Irritation: Not known
- 11.4 Sensitization: Not known
- 11.5 Eye Irritation: Not known
- 11.6 Further Details:

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## 12. ECOLOGICAL INFORMATION

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- 12.1 Acute Toxicity in Fish (LC-50/48h): Not known

- 12.2 Bacteria Toxicity (EC-0): Not known
- 12.3 Biodegradability: Not known
- 12.4 Further Details:

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### 13. DISPOSAL CONSIDERATIONS

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- 13.1 Product: Dispose in compliance with local, federal, and state regulations.
- 13.2 Packaging: Dispose in compliance with local, federal, and state regulations.
- 13.3 Waste Disposal Code: Dispose in compliance with local, federal, and state regulations.

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### 14. TRANSPORT INFORMATION

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- 14.1 Overland Transport ADR/RID/GGVS/GGVE:
- 14.2 Sea Transport GGVSEA/IMDG-Code:
- 14.3 Air Transport ICAO/IATA-DGR:
- 14.4 Inland Waterway Transport ADNR:
- 14.5 Further Details:

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### 15. REGULATORY INFORMATION

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Preparation as defined by the (German) Chemicals Act (dated 4/03/1990).

- 15.1 Labeling:
  - Product Contains:
  - Danger Symbol:
  - R-Sentences R36/37/38:
  - S-Sentences S26:
  - S-Sentences S28:
- 15.2 National Regulation:
  - VbF:
  - TA-Air:
  - Water Pollution 1:

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### 16. OTHER INFORMATION

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- 16.1 The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. Therefore, it should not be construed as guaranteeing specific properties.
- 16.2 Revision Date: November 28, 2006