**IDENTITY**  (As Used on Label and List) Natural Graphite

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**SECTION I**

Manufacturer's Name: Dixon Southwestern Graphite, Inc.  
PO BOX 144, 405 OLD MAIN STREET  
ASBURY, NJ 08802

Emergency Telephone Number 908-537-2155  
Telephone Number for Information 908-537-2155  
Date: Jan 11, 2000  
Review Date: 1/2001  
Prepared by: (optional) AVT

**SECTION II - NON-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>Component(s) (Specific Chemical Identity, Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite</td>
<td>CAS NO. 7782-42-5</td>
<td>2.0 mg/m3</td>
<td>Respirable dust</td>
<td>100</td>
</tr>
</tbody>
</table>

**SECTION III- HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity, Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica</td>
<td>CAS NO. 14808-60-7</td>
<td>0.1 mg/m3</td>
<td>Respirable dust</td>
<td>0.0-4.0</td>
</tr>
</tbody>
</table>

**SECTION IV - PHYSICAL CHEMICAL CHARACTERISTICS**

- Boiling Point: N/A
- Specific Gravity (H2O = 1): 2.20 - 2.35
- Vapor Pressure (mm Hg.): N/A
- Melting Point: N/A
- Vapor Density (AIR = 1): N/A
- Evaporation Rate: (Butyl Acetate = 1) N/A
- Solubility in Water: Insoluble
- Appearance and Odor: Grey to Black - No Odor

**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

- Flash Point (Method Used): N/A
- Flammable Limits: N/A
- LEL: N/A
- LEL: N/A
- Extinguishing Media: Water
- Special Fire Fighting Procedures: Spray with water.
- Unusual Fire and Explosion Hazards: None.

**HMIS RATING:** 1 1 0  E  
**NFP RATING:** 0 1 0
SECTION VI - REACTIVITY DATA

Stability: This material is stable.
Conditions to Avoid: None

Hazardous polymerization: This material will not polymerize.
Conditions to Avoid: None

Incompatibility (Materials to Avoid): Oxidizing Agents.

Hazardous decomposition or byproducts: CO2, CO (carbon dioxide, carbon monoxide)

SECTION VII - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? X Skin? X Ingestion?

Health Hazards (Acute and Chronic): Cases of pulmonary fibrosis, emphysema and cor pulmonale may result from prolonged inhalation of dust (chronic). Minor skin and/or eye irritation may occur.

Carcinogenicity: Silica
NTP? Yes IARC, Monographs? Yes OSHA Regulated? No

IARC Monograph Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC Classification Group 1

Signs and Symptoms of Exposure: Inhalation - nose and/or throat irritation, shortness of breath.
Skin/Eyes - redness of skin, irritation of eyes.

Medical Conditions Generally Aggravated by Exposure: Emphysema, Asthma, or other respiratory problems.

Emergency and First Aid Procedures

Inhalation - Remove from dust area. Seek medical attention if symptoms persist.
Skin - Wash with mild soap and water. *
Eyes - Rinse eyes with sterile eye wash. *
* Seek medical attention if any irritation persists.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Sweep or vacuum.

Waste Disposal Method: Dispose of in an approved manner based on federal/local regulations.

Precautions to be taken in handling and storing: Handle and transfer in a manner, which avoids excessive dusting. Store away from oxidizing agents.

Other Precautions: Graphite is a conductor of electricity. Exercise caution when handling graphite in areas where contact with electrical circuitry is possible.

SECTION IX - CONTROL MEASURES

Respiratory Protection (Specify Type): Use OSHA approved respirator for nuisance dust.

Ventilation: Local Exhaust: To dust collector. Special: None
Mechanical (General): To maintain dust level below ACGIH-TLV. Other: None

Protective Gloves: Conventional work gloves. Eye Protection: Safety glasses

Other Protective Clothing or Equipment: Not required.

Work Hygienic Practices: Keep work area clean. Use adequate dust collection/ventilation to maintain levels of dust below ACGIH-TLV.