



# Material Safety Data Sheet

|   |   |
|---|---|
| Manufacturer's Name<br>Dylon Industries, Inc.     | Emergency Telephone No.<br>Call INFOTRAC at<br>1-800-535-5053 |
| Address<br>7700 Clinton Road, Cleveland, OH 44144 | Other Information Calls<br>216-651-1300                       |
| MSDS Approved By<br>Larry R. Kracker              | Date Prepared<br>April 21, 2006                               |

## SECTION 1 - IDENTITY

|   |                       |
|---|-----------------------|
| COMMON NAME (used on label)<br><br>Grade AE   | HAZARD RATING<br><br> |
| PRODUCT CLASS<br>Water based graphite coating | WHMIS Class D-2B      |

## SECTION 2 - HAZARDOUS INGREDIENTS

| INGREDIENT  | CAS NUMBER | WEIGHT PERCENT | Threshold Limit Value (units) |
|-------------|------------|----------------|-------------------------------|
| Graphite    | 7782-42-5  | 20-25          | Nuisance dust; 15 mppcf/8 Hr. |
| Isopropanol | 67-63-0    | <5             | 400 ppm (ACGIH)               |
| Biocide     | 4719-04-4  | <0.5           | Not established               |
|             |            |                |                               |
|             |            |                |                               |
|             |            |                |                               |
|             |            |                |                               |

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

|  |   |                                   |              |  |                                 |
|--|---|-----------------------------------|--------------|--|---------------------------------|
| Boiling Point<br>100°C                                   | Specific Gravity<br>(H <sub>2</sub> O=1) 1.15 | Vapor Pressure(mm Hg)<br>Unknown  |              |  |                                 |
| Percent Volatile by Volume (%)<br>90%                    | Vapor Density<br>(Air=1) >1                   | Evaporation Rate (Ether=1)<br><<1 |              |  |                                 |
| Solubility In Water<br>Completely miscible               | pH<br>8-9                                     |                                   |              |  |                                 |
| Appearance and Odor<br>Gray-black liquid with mild odor. |   |                                   |              |  |                                 |
| Flash Point<br>None                                      | Flammable Limits in Air(% by Volume)<br>NA    | Lower<br>---                      | Upper<br>--- | Extinguisher Media<br>Material not flammable | Auto-Ignition Temperature<br>NA |
| Special Fire Fighting Procedures<br>None                 |   |                                   |              |  |                                 |
| Unusual Fire and Explosion Hazards<br>None               |   |                                   |              |  |                                 |

## SECTION 4 - PHYSICAL HAZARDS

Grade AE

|   |  |                           |
|---|--|---------------------------|
| Stability   | Unstable <input type="checkbox"/><br>Stable <input checked="" type="checkbox"/>          | Conditions to Avoid<br>NA |
| Incompatibility (Materials to Avoid)<br>Avoid contact with strong acids, strong bases and strong oxidizers. |  |                           |
| Hazardous Decomposition Products<br>None known  |  |                           |
| Hazardous Polymerization  | May Occur <input type="checkbox"/><br>Will Not Occur <input checked="" type="checkbox"/> | Conditions to Avoid<br>NA |

## SECTION 5 - HEALTH HAZARDS

|  |  |  |                     |  |  |  |
|--|--|--|---------------------|--|--|--|
| Threshold Limit Value<br>See Section 2. Nuisance dust: 10mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (Respirable dust) |  |  |                     |  |  |  |
| Signs and Symptoms of Exposure   | 1. Acute Overexposure<br>Contact may cause eye or skin irritation. |  |                     |  |  |  |
| 2. Chronic Overexposure<br>Unknown   |  |  |                     |  |  |  |
| Medical Conditions Generally Aggravated by Exposure<br>Unknown   |  |  |                     |  |  |  |
| Chemical Listed as Carcinogen or Potential Carcinogen<br>No  | National Toxicology Program  | Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> | I.A.R.C. Monographs | Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> | OSHA                                       | Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> |
| OSHA Permissible Exposure Limit<br>See section 2   | ACGIH Threshold Limit Value<br>See section 2                       |  |                     |  | Other Exposure Limit Used<br>See section 2 |  |
| Emergency and First Aid Procedure  |  |  |                     |  |  |  |
| 1. Inhalation<br>Remove to fresh air. Obtain medical attention if necessary.   |  |  |                     |  |  |  |
| 2. Eyes<br>Flush eyes immediately with plenty of water for 15 minutes; consult a physician.                                    |  |  |                     |  |  |  |
| 3. Skin<br>Wash with warm, soapy water. Wash contaminated clothing before re-use.  |  |  |                     |  |  |  |
| 4. Ingestion<br>Do not induce vomiting. Obtain medical attention.  |  |  |                     |  |  |  |

## SECTION 6 - SPECIAL PROTECTION INFORMATION

|   |                              |                                     |                                  |              |
|---|------------------------------|-------------------------------------|----------------------------------|--------------|
| Respiratory Protection (Specify Type)<br>See sections 2 & 5. Approved dust/mist respirator in area where respirable particles exceed TLV for nuisance dust. |                              |                                     |                                  |              |
| Ventilation<br>Normal plant ventilation   | Local Exhaust<br>Recommended | Mechanical (General)<br>Recommended | Special<br>---                   | Other<br>--- |
| Protective Gloves<br>Work gloves. Rubber or neoprene (if needed).   |                              |                                     | Eye Protection<br>Safety goggles |              |
| Other Protective Clothing or Equipment<br>Normal work apparel   |                              |                                     |                                  |              |

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

|  |
|--|
| Precautions to be Taken in Handling and Storage<br>Respiratory protection should be used when entering areas containing respirable dust/mist in concentrations above the threshold limit value (TLV) for nuisance dusts. |
| Other Precautions<br>Keep from freezing. Keep containers closed until used. Avoid contamination with dirt and other foreign matter.  |
| Steps to be Taken in Case Material is Released or Spilled<br>Treat as a lubricating oil spill. Absorb with clay or diatomaceous earth.   |
| Waste Disposal Methods<br>Dispose of in accordance with local, state and federal regulations.  |

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.