



Material Safety Data Sheet

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| Manufacturer's Name Dylon Industries, Inc. | Emergency Telephone No. Call INFOTRAC at 1-800-535-5053 |
| Address 7700 Clinton Road, Cleveland, OH 44144 | Other Information Calls 216-651-1300 |
| MSDS Approved By Larry R. Kracker | Date Prepared February 18, 2004 |

SECTION 1 - IDENTITY

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| COMMON NAME (used on label) Grade FW-3663 | HAZARD RATING |
| PRODUCT CLASS Water based forging lubricant | WHMIS Class D-2B |

SECTION 2 - HAZARDOUS INGREDIENTS

| INGREDIENT | CAS NUMBER | WEIGHT PERCENT | Threshold Limit Value (units) |
|------------|------------|----------------|-------------------------------|
| Biocide | 4719-04-4 | <0.5 | Not established |
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SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

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|---|--|-----------------------------------|--------------|--|---------------------------------|
| Boiling Point 100 C | Specific Gravity (H ₂ O=1) 1.1 | Vapor Pressure(mm Hg) Unknown | | | |
| Percent Volatile by Volume (%) 65% | Vapor Density (Air=1) >1 | Evaporation Rate (Ether=1) <<1 | | | |
| Solubility In Water Completely miscible | pH 8-10 | | | | |
| Appearance and Odor Clear liquid with mild odor. | | | | | |
| Flash Point None | Flammable Limits in Air(% by Volume) | Lower --- | Upper --- | Extinguisher Media Material not flammable | Auto-Ignition Temperature NA |
| Special Fire Fighting Procedures None | | | | | |
| Unusual Fire and Explosion Hazards None | | | | | |

SECTION 4 - PHYSICAL HAZARDS

Grade FW-3663

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

SECTION 5 - HEALTH HAZARDS

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

SECTION 6 - SPECIAL PROTECTION INFORMATION

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

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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| Precautions to be Taken in Handling and Storage 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 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 Treat as lubricating oil spill. Absorb with clay or diatomaceous earth. | |
| Waste Disposal Methods 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.