

**KANO LABORATORIES, INC.  
SAFETY DATA SHEET**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer:** Kano Laboratories, Inc.  
1000 E. Thompson Lane  
Nashville, TN 37211  
**Information Phone Number:** (615) 833-4101  
**Fax:** (615) 833-5790 **Emergency:** 800-424-9300 (Chemtrec)  
**Website:** www.kanolaboratories.com

HMIS Hazard Rating

|                     |   |
|---------------------|---|
| HEALTH              | 1 |
| FLAMMABILITY        | 1 |
| REACTIVITY          | 0 |
| PERSONAL PROTECTION | X |

**Product Name:** PYROLUBE GREASE  
**MSDS Date of Preparation:** 12/14/2010  
**Product Use:** Lubricating Grease

**2. PRECAUTIONARY INFORMATION**

May cause eye irritation. Prolonged and/or repeated skin contact may cause irritation.  
Inhalation of mist or vapor may be irritating.

**3. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

| COMPONENTS | OSHA<br>PEL | ACGIH<br>TLV | ACGIH<br>STEL | CAS# |
|------------|-------------|--------------|---------------|------|
|------------|-------------|--------------|---------------|------|

This Material Safety Data Sheet (MSDS) has been prepared under guidelines in OSHA Hazard Communication Standard 29 CFR 1910.1200.

|   |           |                       |           |            |
|---|-----------|-----------------------|-----------|------------|
| Solvent dewaxed heavy paraffinic distillate | 5 mg/m3*  | 5 mg/m3*              | 10 mg/m3* | 64742-65-0 |
| Molybdenum, Insoluble compounds<br>(as Mo)  | 15 mg/m3* | 10 mg/m3+             | n/e       | 1317-33-5  |
| Graphite                                    | n/e       | n/e                   | n/e       | 7782-42-5  |
| *total dust                                 | *oil mist | n/e – Not established |           |            |

None of the components of this product at concentrations greater than or equal to 0.1% are listed as a Carcinogen or potential carcinogen by NTP, IARC, OSHA.

**4. POTENTIAL HEALTH EFFECTS**

**EYE:** Product contacting the eyes may cause irritation.

**SKIN:** Prolonged and/or repeated skin contact may cause irritation.

**INGESTION:** Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

**INHALATION:** Not expected to be a route of exposure due to low volatility of product. At elevated temperatures, vapors or mists may be produced which may cause irritation to the respiratory tract.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Prolonged and/or repeated exposure may cause irritation to the skin, eyes or respiratory tract.

**PRIMARY ROUTE(S) OF ENTRY:**

Eye Skin X Inhalation Ingestion

**5. FIRST AID**

**SKIN:** Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical attention.

**EYES:** Immediately flush with plenty of water for 15 minutes or until subsides. If irritation persists, get medical attention.

**INGESTION:** Do not induce vomiting. Get medical attention.

**INHALATION:** If respiratory discomfort or irritation occurs, move the person to fresh air. Seek medical attention.

**6. EMPLOYEE PROTECTION**

**RESPIRATORY:** None under normal conditions. NIOSH-approved supplied-air respirator when exposed to mists or vapor from heated material.

**VENTILATION:** Mechanical (general) is satisfactory. Provide ventilation sufficient to prevent exceeding recommended exposure limit.

**HANDS:** Oil impervious gloves, if needed, to avoid prolonged or repeated skin contact.

**EYES:** Splash goggles or face shield when eye contact may occur.

**OTHER:** Avoid contact with skin and eyes. Wash thoroughly after handling.

**7. PHYSICAL / CHEMICAL CHARACTERISTICS**

**APPEARANCE:** Black color

**ODOR:** Mild

**BOILING POINT:** Not determined

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** ~ 0.90

**VAPOR PRESSURE (mm Hg):** Not determined

**VAPOR DENSITY:** Not determined

**SOLUBILITY IN WATER:** Insoluble

**EVAPORATION RATE (Butyl acetate = 1):** less than 1

**PHYSICAL FORM:** Grease

**8. REACTIVITY**

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Oxides of carbon, nitrogen, sulfur, molybdenum.

**HAZARDOUS POLYMERIZATION:** Will not occur

**STABILITY:** Stable

**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypo chlorite, etc.

**9. FIRE AND EXPLOSION DATA**

**FLASH POINT (COC):** (of base oil) 500 F (260 C)

**FLAMMABLE LIMITS (approx % by vol. In air):**

**LEL –** Not determined **UEL –** Not determined

**AUTO IGNITION TEMP –** Not determined

**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Non indicated.

**10. SPILL OR LEAK PROCEDURES**

Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

**11. WASTE DISPOSAL METHODS**

Dispose of in accordance with all applicable local, state and federal regulations. Use licensed waste oil disposal contractor, remove to regulated landfill, or incinerate in an approved facility. Empty containers may contain product residue. Do not cut, heat or weld on or around empty containers.

**12. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Store in closed containers away from heat or open flames. Do not store with oxidizing agents. Not for internal use. Avoid contact with skin, eyes and clothing.

**13. TOXICOLOGICAL INFORMATION**

This product is a mixture not tested as a whole for toxicity. A threshold limit value of 5 mg/m<sup>3</sup> is suggested for oil mist in air.

**14. ECOLOGICAL INFORMATION**

Not available.

**15. REGULATORY INFORMATION**

All components of this product are listed in the TSCA Inventory.

This product does not contain any chemical substance on the SARA Extremely Hazardous Substances list.

This product does not contain a SARA Title 3 SECTION 313 (40 CFR 372) reportable chemical.

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulators.

**16. TRANSPORTATION INFORMATION**

Not regulated by US DOT, IMO, or ICAO.

**17. OTHER INFORMATION**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Kano Laboratories. Kano Laboratories assumes no legal responsibility for the use or reliance upon this data. Please note that the chemical identity of some of all of the ingredients that may or may not be listed herein is confidential business information and is being withheld as permitted by 29 CFR 1910.1200 and various State Right-to-Know Laws.

Title: Chairman

Name: P. R. Zimmerman

Date: May 14, 2007

Signature: *P.R. Zimmerman*