





**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	2
	REACTIVITY	0
	PERSONAL PROTECTION	X

Product Name: PYROLUBE
MSDS Date of Preparation: 12/14/2010
Product Use: High Temperature Lubricant

SECTION 2: HAZARDS IDENTIFICATION

Gray liquid with a solvent odor.

EMERGENCY OVERVIEW

WARNING! Combustible Liquid and Vapor. May cause eye and skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, central nervous system effects leading possibly to death. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary damage, possibly death.

Potential Health Effects:

Eye: May cause eye irritation but will not cause eye damage.

Skin: Frequent or prolonged contact may cause mild irritation or dermatitis. Contact may aggravate a preexisting dermatitis condition.

Inhalation: Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation and central nervous system depression. Symptoms may include headache, dizziness, drowsiness, nausea, vomiting, depressed respiration and heart rate, heart rhythm irregularities, unconsciousness or death.

Ingestion: Minimally toxic through ingestion. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

Chronic Hazards: None known.

Carcinogen Status: None of the components of this product at greater than 0.1% are listed as carcinogens by OSHA, IARC or NTP.

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Aliphatic Hydrocarbons	64742-48-9/8052-41-3	60-90
Graphite	7782-42-5	0.5-5
Aluminum Stearate	300-92-5	1-10
Non-hazardous ingredients	Proprietary	10-20

SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for at least 15 minutes, holding the eye lids open to be sure the material is washed out. If irritation occurs or persists, get immediate medical attention.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use.

Inhalation: Using appropriate respiratory protection, remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Keep victim at rest. Get immediate medical attention.

Ingestion: DO NOT induce vomiting. Keep the victim calm and warm. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 117°F (PMCC)

Flammable Limits: LEL: 0.7%
UEL: 5.4%

Autoignition Temperature: Not Determined

Extinguishing Media: Use carbon dioxide, dry chemical or foam. Water may be ineffective but can be used to cool containers and structures.

Special Fire Fighting Procedures: Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

Unusual Fire Hazards: Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Never use welding or cutting torch on or near containers (even empty) because product can ignite explosively. Combustion products may be hazardous.

Hazardous Decomposition Products: Oxides of carbon, aluminum oxide, smoke and fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill: Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed (refer to Section 8 for specific recommendations). Ventilate area. Cover with an inert absorbent material and collect into an appropriate container for disposal. Prevent release into sewers, watercourses, and groundwater. Report spills and releases as required to appropriate authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use. Do not cut, braze, solder, grind or weld empty containers. Do not reuse containers. Follow all MSDS precautions in handling empty containers.

Storage: Store in a cool, dry, well-ventilated location away from incompatible materials. Keep containers closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Aliphatic Hydrocarbons	100 ppm 100 ppm OSHA PEL-TWA 100 ppm ACGIH TLV-TWA
Graphite	15 mppcf 100 ppm OSHA PEL-TWA 2 mg/m3 (respirable dust) ACGIH TLV-TWA
Aluminum Stearate	10 mg/m3 ACGIH TLV-TWA

Ventilation: Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

Respiratory Protection: If needed, a NIOSH approved respirator with organic vapor cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Skin Protection Impervious gloves are recommended when needed to avoid skin contact. Based on available test data, neoprene or nitrile gloves are suggested.

Eye Protection: Chemical safety goggles recommended.

Other Protective Equipment: Impervious clothing with long sleeves as required to prevent skin contact and contamination of personal clothing. Suitable eye wash and washing facilities should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Gray liquid with a solvent odor

pH: No data

Boiling Point: 365°F

Vapor Pressure: <1 mmHg @ 20°C

Vapor Density (air =1): >1

Percent Volatile By Volume (%): <85

Specific Gravity: 0.77

Melting Point: No data

Water Solubility: Insoluble

Evaporation Rate (ether=1): <1

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage or use.

Incompatibility/Conditions to Avoid: Avoid strong oxidizing agents. Avoid heat, sparks, flames and all other sources of ignition.

Hazardous Decomposition Products: Combustion will produce oxides of carbon, aluminum oxide, smoke and fumes.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological testing has not been performed on this product as a mixture.

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL INFORMATION

Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION
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DOT Shipping Name: Excepted from Hazmat when packaged in non-bulk containers (<119 gal) and shipped ground
DOT Hazard Class/Packing Group: None
UN Number: None
DOT Labels Required (49CFR172.101): None
Hazardous Substance (49CFR172.101): None
Reportable Quantity: None

DOT Marine Pollutants: This product does not contain marine pollutants as defined in 49CFR 171.8.

IATA Shipping Name: Flammable liquid, n.o.s. (Petroleum Distillates)
IATA Hazard Class/Packing Group: 3, III
UN Number: UN1993
IATA Hazard Labels Required: Class 3

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Fire Hazard

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 1	Flammability - 2	Reactivity - 0
NFPA Ratings: Health - 1	Flammability - 2	Reactivity - 0

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The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.