Pressure-Lube, Inc.

Material Safety Data Sheet

Approval Date 8/13/2009
Supersedes Date 2/23/2009

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	**JAX FOOD-GRADE PENETRATING OIL (AEROSOL)**	**Product ID No.**	**JAX109**
Supplier	**PRESSURE-LUBE, INC.** **W134 N5373 CAMPBELL DRIVE** **MENOMONEE FALLS, WI 53051 USA**	**Emergency Telephone**	For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC: NORTH AMERICA 800-424-9300 INTERNATIONAL +01-703-527-3887 Collect
Synonym(s)	None	**Non-Emergency Contact**	JAX: 262-781-7660 JAX/FAX: 262-781-3906
Chemical Family	Mixture		
Chemical Formula	Not applicable		
Material Uses	Lubricant		

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Synthetic isoparaffinic hydrocarbon	100 ppm, OSHA	64742-48-9	20-30
Heptane	400 ppm, OSHA	142-82-5	5-10
Propane	1000 ppm, OSHA	74-98-6	5-10
Butane	800 ppm, OSHA	106-97-8	5-10

LC_{50}, LD_{50} of Ingredients Not available

Section III. Hazards Identification

Emergency Overview Potential health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Potential Health Effects:

Eye Contact Considered an eye irritant. Vapors may cause severe eye irritation. Symptoms can include redness, swelling, pain, tearing, and hazy vision.

Skin Contact Skin Contact: Skin irritant. Mild to severe skin irritation may occur upon prolonged or repeated contact. Prolonged or repeated contact may cause moderate to severe dermatitis. Chronic symptoms may include drying, swelling, scaling, blistering, cracking, and severe tissue damage.
Skin Absorption: A single prolonged skin exposure is not likely to result in harmful amounts absorbed, but this product may be readily absorbed through the skin producing central nervous system depression effects.

Ingestion ASPIRATION HAZARD. Ingestion is not likely as an aerosol but, if swallowed, it can be harmful or fatal. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, even death. May cause weakness and gastrointestinal tract irritation. Product can be readily absorbed through the stomach and intestinal tract. Symptoms include a burning sensation in the mouth or esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delirium. Additional central nervous system effects may occur prior to the onset of convulsions, coma, and death.

Inhalation This product may irritate the mucous membranes of the mouth, throat, and esophagus, and may cause nausea, loss of appetite, lassitude, light-headedness, giddiness, dizziness, and incoordination. Respiratory arrest, convulsions, semi-consciousness or unconsciousness may result from extreme exposure. Can cause central nervous system depression. Asthma and other respiratory ailments may be aggravated by exposure to product. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Continued on Next Page

Section III. Hazards Identification (cont'd)

HMIS Code	Health: **2**	Fire: **3**	Physical Hazard: **0**	**HAZARD RATINGS**		
				0 Minimal Hazard	3 Serious Hazard	
				1 Slight Hazard	4 Severe Hazard	
				2 Moderate Hazard		

Section IV. First Aid Measures

Eye Contact Flush with large amounts of water, occasionally lifting upper and lower eyelids. Get medical attention.

Skin Contact Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

Ingestion Ingestion is not likely as an aerosol but, if ingested, DO NOT induce vomiting. If spontaneous vomiting is about to occur, place the victim's head below his knees to prevent aspiration. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Call a physician or transport to an emergency facility.

Inhalation If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.

Section V. Fire and Explosion Data

Autoignition Temperature Not available

Flash Point Not available

Flammable Limits (Approx.) ***LOWER*** Flammable Limit: 1.2% ***UPPER*** Flammable Limit: 9.5%

Explosion Hazards See Lower and Upper Flammable Limits

Products of Combustion Carbon monoxide and carbon dioxide.

Firefighting Media and Instructions Foam, water fog, dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's Fire Protection Guide on Hazardous Materials. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Special Remarks - Fire and Explosion Hazards Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120°F (49°C). Do not puncture or incinerate. Firefighters should wear SCBA's in positive pressure mode with full face ashield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling site. Eliminate all sources of ignition as vapor may ignite. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

Section VI. Accidental Release Measures

Release or Spill Ventilate area, especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks, mop, wipe or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks, evacuate area, contain spill (dike area), and transfer contained liquid to a DOT-approved container for disposal. Keep out of water supply. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

Environmental Impact Report spills as required to the appropriate authorities. U.S Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll-free number 800-424-8802.

Section VII. Handling and Storage

Handling Keep away from heat, sparks and open flame. Do not throw empty container into fire or trash compactor. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Do not breathe vapor or mist. Do not transfer to nor store in an unmarked container. Read label before using. Do not smoke when handling or using this product. Do not cut on empty containers as they may contain vapors that are flammable. Use with adequate ventilation. Do not take internally. Keep out of reach of children.

Storage Store in tightly sealed containers. Do not store in direct sunlight. Keep away from heat, sparks and open flame. Store containers below 120°F (49°C). Do not throw empty container into fire or trash compactor.

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Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.
Ventilation	Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL/TLV.
Protective Gloves	Use polyvinyl alcohol or polyethylene gloves, if needed to avoid prolonged or repeated skin contact.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash exposed areas with soap and water when finished using this product. Do not eat or drink when using this product. Do not swallow. Wash hands before eating or using washroom.
Engineering Controls	Implement engineering controls so that workplace exposure limit(s) of product or any component is not exceeded. Use impervious protective clothing (gloves, boots, apron or full body suit) depending on operation.
Exposure Limit	See PEL/TLV of ingredients in Section II

Section IX. Physical and Chemical Properties

Appearance/Odor	Amber liquid with a petroleum odor	**Vapor Pressure**	50 psig @ 70°F (21°C)
		Vapor Density	Heavier than air
Odor Threshold	Not available	**Percent Volatile**	40%
Specific Gravity	0.85-0.87 concentrate	**Evaporation Rate**	Slower than butyl acetate
Density	Not available	**Solubility in Water**	Negligible
pH	Not available	**Coefficient of Water/Oil Distribution**	Not available
Boiling Point	Complex mixture		
Freezing/Melting Point	Not available	**Physical State**	Liquid and compressed gas in aerosol can

Section X. Stability and Reactivity Data

Stability	Stable under normal temperatures and pressures.
Conditions of Reactivity	Not available
Conditions and Materials to Avoid	Avoid contact with strong acids, alkalies, and oxidizers such as liquid chlorine, other halogens, hydrogen peroxide, and oxygen.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide.

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.	**Ingestion**	Not available
Toxicity to Animals	Not available	**Inhalation**	Not available
Effects of Acute Exposure	Not available	**Toxically Synergistic Products**	Not available
Acute Effects of Sensitization	Not available		

Chronic Effects on Humans:

Carcinogenic Effects	This product does not contain a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA [29 CFR 1910.1200(D)#4].
Mutagenic Effects	No data available to indicate any components present at greater than 0.1% may present a mutagenic hazard.

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Section XI. Toxicological Information (cont'd)

Teratogenic Effects No data available to indicate any components present at greater than 0.1% may present a teratogenic hazard.

Reproductive Effects No data available to indicate any components present at greater than 0.1% may present a reproductive hazard.

Section XII. Ecological Information

Ecotoxicity There is no data available on the adverse effects of this material on the environment.

Section XIII. Disposal Considerations

Waste Disposal Consult federal, state or local authorities for proper disposal and reporting procedures. All disposals must comply wtih federal, state and local regulations.

Section XIV. Transportation Information

I.A.T.A. Air Transportation:

Shipping Name	Aerosols, flammable
Hazard Class	2.1
UN Number	UN1950
Packing Group	None
I.A.T.A. Remarks	None

U.S. D.O.T. Ground Transportation:

Shipping Name	Consumer Commodity ORM-D
U.S. D.O.T. Remarks	The above U.S. D.O.T. information applies to shipping BY GROUND ONLY.

Section XV. Regulatory Information

U.S. Federal Regulations:

CERCLA Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is regulated by 40 CFR 302.4 :

None

SARA (Section 313) This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations:

None

SARA Extremely Hazardous List This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List:

None

TSCA Inventory All components of this material are on the U.S. TSCA Inventory.

California Prop. 65 This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm:

None

International Regulations:

Canada All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all the information required by CPR.

Japan MITI Not available

Australia Not available

Switzerland Not available

Section XVI. Other Information

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Prepared by	Technical Services 262-781-7660
Sections Revised Since Last Version	Section XIV