

# Pressure-Lube, Inc.

## Material Safety Data Sheet

Approval Date 8/13/2009

Supersedes Date 3/11/2009

Section I. Chemical Product and Company Identification		
Product Name/ Trade Name	JAX LIFT TRUCK & SLIDING TANDEM LUBRICANT (AEROSOL)	Product ID No. JAX106
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: 262-781-7880 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				
	Heptane	400 ppm, OSHA	142-82-5	1-5
	Propane	1000 ppm, OSHA	74-98-6	10-20
	n-Butane	800 ppm, OSHA	106-97-8	5-10
	Pentane	500 ppm, OSHA	109-66-0	5-15
	Asphalt	5 mg/m <sup>3</sup> , OSHA	8052-42-4	10-20
	Aromatic hydrocarbon blend	19 ppm*, Supplier	64742-95-6	10-20
	Hydrotreated (light, medium or heavy) naphthenic petroleum distillates	5 mg/m <sup>3</sup> , OSHA	64742-(53-6, 46-7, 52-5)	1-5
	Acetone	1000 ppm, OSHA	67-64-1	10-20
LC <sub>50</sub> , LD <sub>50</sub> 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. May cause severe eye irritation. Symptoms may include stinging, watering, redness, and swelling. Vapors may irritate eyes.
Skin Contact	SKIN CONTACT: Moderate to severe skin irritation may occur. Repeated contact may cause moderate to severe dermatitis. Chronic symptoms may include drying, swelling, scaling, blistering, cracking, and severe tissue damage. May cause allergic skin reaction in susceptible individuals. SKIN ABSORPTION: A single prolonged skin exposure is not likely to result in harmful amounts. Repeated excessive contact may cause product to be absorbed by the skin to product central nervous system depression effects.
Ingestion	ASPIRATION HAZARD. May cause weakness and gastrointestinal tract irritation. May irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed through the stomach and intestinal tract. Symptoms include a burning sensation of the mouth and 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	Breathing high concentrations of vapor may cause respiratory irritation, euphoria, excitation or giddiness, headache, nausea, vomiting, abdominal pain, loss of appetite, fatigue, muscular weakness, staggering gait, and central nervous system depression (which includes dizziness, drowsiness, disorientation, vertigo, memory loss, visual disturbances, difficulty with breath, convulsions, unconsciousness, paralysis, coma, and even death). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
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**Section III: Hazards Identification (cont'd)**

<b>HMIS Code</b>	Health: <b>1</b>	Fire: <b>3</b>	Physical Hazard: <b>0</b>	<b>HAZARD RATINGS</b>
				0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard
				3 Serious Hazard 4 Severe Hazard

**Section IV: First Aid Measures**

<b>Eye Contact</b>	Flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Remove contact lenses. If irritation occurs, contact physician immediately.
<b>Skin Contact</b>	Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder it before reuse. Destroy or properly dispose of contaminated shoes. Should any irritation persist, get medical attention.
<b>Ingestion</b>	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. Drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Call a physician or poison control center immediately.
<b>Inhalation</b>	Move person to fresh air. If breathing has stopped, give CPR. If breathing is difficult, give oxygen. Keep person warm and quiet. Contact physician immediately.

**Section V: Fire and Explosion Data**

<b>Autoignition Temperature</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammable Limits (Approx.)</b>	<b>LOWER</b> Flammable Limit: 0.9% <b>UPPER</b> Flammable Limit: 12.8%
<b>Explosion Hazards</b>	See Lower and Upper Flammable Limits
<b>Products of Combustion</b>	Carbon monoxide, carbon dioxide, smoke and irritating vapors as products of incomplete combustion.
<b>Firefighting Media and Instructions</b>	Use (NFPA) Class B extinguisher, carbon dioxide, or foam as extinguishing media. 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. Pressure build-up due to heat exposure may cause containers to explode. Water may be used 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.
<b>Special Remarks - Fire and Explosion Hazards</b>	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 full protective gear, including SCBA's in a positive-pressure mode with full face shield. 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. Never use welding or cutting torch on or near this product because even just residue can ignite explosively. Do not use direct stream of water because product will float and can reignite on surface of water.

**Section VI: Accidental Release Measures**

<b>Release or Spill</b>	Ventilate area, especially low places where heavy vapors might collect. Recover free product with absorbent materials and non-sparking tools. Minimize breathing vapors. Minimize skin contact. Eliminate all sources of ignition. Provide ventilation. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.
<b>Environmental Impact</b>	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**

<b>Handling</b>	Use proper bonding and/or grounding procedures to prevent electrostatic accumulation. 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.
<b>Storage</b>	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.

**Section VIII: Other Information**

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<b>Section VII: Exposure Controls and Personal Protection</b>	
<b>Respiratory Protection</b>	If workplace exposure limit(s) of product or any component is exceeded (see Section II), a NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative-pressure type) under specified conditions (see your safety equipment supplier). Engineering controls should be implemented to reduce exposure.
<b>Ventilation</b>	Control airborne concentrations below the exposure limit in Section II. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.
<b>Protective Gloves</b>	For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as polyvinyl alcohol or polyethylene.
<b>Eye Protection</b>	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
<b>Personal Hygiene</b>	Wash hands before eating or using washroom. To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation. Do not smoke when using this product.
<b>Engineering Controls</b>	Implement engineering controls so that workplace exposure limit(s) of product or any component is not exceeded (see Section II).
<b>Exposure Limit</b>	See PEL/TLV of ingredients in Section II

<b>Section VIII: Physical and Chemical Properties</b>			
<b>Appearance/Odor</b>	Thick black liquid with faint ethereal odor	<b>Vapor Pressure</b>	70 psig @ 70°F
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	Heavier than air
<b>Specific Gravity</b>	0.76 - 0.80	<b>Percent Volatile</b>	50%
<b>Density</b>	6.34 - 6.68 lbs/gallon (concentrate)	<b>Evaporation Rate</b>	Slower than butyl acetate
<b>pH</b>	Not available	<b>Solubility in Water</b>	Insoluble
<b>Boiling Point</b>	Not available	<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>Freezing/Melting Point</b>	Not available	<b>Physical State</b>	Liquid and compressed gas in aerosol can

<b>Section IX: Stability and Reactivity Data</b>	
<b>Stability</b>	Stable under normal temperatures and pressures.
<b>Conditions of Reactivity</b>	Not available
<b>Conditions and Materials to Avoid</b>	Avoid direct sunlight, heat, sparks, open flames, welding arcs or other high-temperature sources which induce thermal decomposition, strong oxidizers such as liquid chlorine, hydrogen peroxide and oxygen, strong acids such as nitric and sulfuric acids, and alkalis.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, smoke and irritating vapors as products of incomplete combustion.

<b>Section X: Toxicological Information</b>			
<b>Routes of Entry</b>	Dermal contact, eye contact, inhalation, ingestion.	<b>Ingestion</b>	Not available
<b>Toxicity to Animals</b>	Not available	<b>Inhalation</b>	Not available
<b>Effects of Acute Exposure</b>	Not available	<b>Toxicologically Synergistic Products</b>	Not available
<b>Acute Effects of Sensitization</b>	Not available		
<b>Chronic Effects on Humans:</b>			
<b>Carcinogenic Effects</b>	This product does not contain a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA [29 CFR 1910.1200(D)(4)].		
<b>Mutagenic Effects</b>	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 with 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:  
1,2,4-Trimethylbenzene (CAS #95-63-6) present at 4.8% max.

**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**

**Approval Date** 8/13/2009  
**Supersedes Date** 3/11/2009  
**Prepared by** Technical Services 262-781-7660  
**Sections Revised Since Last Version** Section XIV

The information and recommendations contained herein are, to the best of Pressure-Lube Inc.'s knowledge and belief, accurate and reliable as of the date issued. Pressure-Lube Inc. makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and Pressure-Lube Inc. shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with Pressure-Lube Inc.'s interpretation of the available data.