

Pressure-Lube, Inc.

Material Safety Data Sheet

Approval Date 12/3/2008
Supersedes Date 2/27/2007

Section I. Chemical Product and Company Identification			
Product Name/ Trade Name	JAX ELECTRICAL CONTACT CLEANER NON-FLAMMABLE FORMULA (AEROSOL)	Product ID No.	JAX124
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	
Chemical Family	Mixture	JAX: 262-781-7660 JAX/FAX: 262-781-3906	
Chemical Formula	Not applicable		
Material Uses	Cleaner		

Section II. Composition and Information on Ingredients				
	Name	PEL/TLV, Source	CAS #	% by Weight
	PROPRIETARY FORMULA.			
	1,1,1,2 - Tetrafluoroethane	1000 ppm, OSHA	811-97-2	70-90
	2-Propanol	400 ppm, OSHA	67-63-0	5-15
	2-Propanone	750 ppm, OSHA	67-64-1	5-15
LC₅₀, LD₅₀ of Ingredients	Not available			

Section III. Hazards Identification	
Emergency Overview	Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of this product.
Potential Health Effects:	
Eye Contact	Vapors will irritate the eyes. Liquid and mists can severely irritate or damage the eyes and cause corneal burns. Persons with pre-existing eye problems may be more susceptible to the effects of this product.
Skin Contact	Brief contact may dry the skin, or cause burning or stinging sensation. Prolonged or repeated contact may irritate the skin, causing dermatitis. Persons with pre-existing skin disorders may be more susceptible to the effects of this product.
Ingestion	Swallowing large quantities may cause headaches, nausea, vomiting, stomach cramps and diarrhea, and possibly unconsciousness or death.
Inhalation	Vapors and mists irritate the nose and throat. Inhalation of higher concentrations may cause headaches, vomiting, and coma. Inhalation of very high concentrations or prolonged exposure may cause unconsciousness or death. Prolonged or repeated exposure to high concentrations can product severe or fatal central nervous system depression. Persons with pre-existing impaired respiratory function may be more susceptible to the effects of this product.

Continued on Next Page

Section III. Hazards Identification (cont'd)

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

Section IV. First Aid Measures

Eye Contact	Immediately flush with water for 15 minutes, occasionally lifting upper and lower eyelids. Get immediate 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	If conscious, immediately induce vomiting by giving two glasses of water and sticking finger down throat. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person. Keep victim's head below hips while vomiting so he does not breathe the vomitus into his lungs.
Inhalation	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and clinical condition of the patient.

Section V. Fire and Explosion Data

Autoignition Temperature	Not available
Flash Point	No flame extension as sprayed from can. NOTE: If pooled liquid is exposed to source of ignition, pooled liquid can ignite.
Flammable Limits (Approx.)	LOWER Flammable Limit: 2.0% UPPER Flammable Limit: 12.0%
Explosion Hazards	See Lower and Upper Flammable Limits
Products of Combustion	Hazardous decomposition products include carbon monoxide, carbon dioxide, and hydrogen fluoride.
Fire Fighting Media and Instructions	Dry chemical, water spray, alcohol foam or carbon dioxide may all be suitable for extinguishing fires containing or around this product. Shut off all sources of ignition, if possible. Use water to keep fire-exposed containers cool to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. 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. Do not use direct stream of water.
Special Remarks - Fire and Explosion Hazards	Firefighters should wear SCBA's in 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 as vapor may ignite. While this product is considered non-flammable as an aerosol, pooled liquid can be ignited.

Section VI. Accidental Release Measures

Release or Spill	Recover free product. Add sand, earth, or other suitable absorbent material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. 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.
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 any lined non-permeable rubber 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 or use facial cream 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	Colorless liquid with alcohol odor	Vapor Pressure	75 psig @ 70°F
		Vapor Density	Heavier than air
Odor Threshold	Not available	Percent Volatile	100%
Specific Gravity	0.77-0.79 concentrate	Evaporation Rate	Faster than butyl acetate
Density	Not available	Solubility in Water	Carrier 100%; Solvent 0.15%
pH	Not available	Coefficient of Water/Oil Distribution	Not available
Boiling Point	Complex mixture	Physical State	Liquid and compressed gas in aerosol can
Freezing/Melting Point	Not available		

Section X. Stability and Reactivity Data	
Stability	Stable under normal temperatures and pressures.
Conditions of Reactivity	Not available
Conditions and Materials to Avoid	Avoid caustics, amines, alkanolamines, aldehydes, ammonia, strong oxidizing agents, chlorinated compounds, strong alkalis.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Hazardous decomposition products include carbon monoxide, carbon dioxide, and hydrogen fluoride.

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.
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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.
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Section XIV. Transportation Information

I.A.T.A. Air Transportation:		U.S. D.O.T. Ground Transportation:	
Shipping Name	Aerosols, nonflammable, n.o.s.	Shipping Name	Consumer Commodity ORM-D
Hazard Class	2.2		
UN Number	UN1950		
Packing Group	None	U.S. D.O.T. Remarks	The above U.S. D.O.T. information applies to shipping BY GROUND ONLY.
I.A.T.A. Remarks	None		

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

Approval Date	12/3/2008
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Prepared by	Technical Services 262-781-7660
Sections Revised Since Last Version	Sections I and V

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.