



MATERIAL SAFETY DATA SHEET

CONFORMS TO DIRECTIVE 2001/58/EC AMENDING DIRECTIVE 91/155/EEC

Section 1. Identification of the Company and the Preparation

Product Name JAX SYNCLEAR (AEROSOL)

Revision Date 6/23/2008

Supersedes Date 5/27/2008

Supplier PRESSURE-LUBE, INC.
W134 N5373 CAMPBELL DRIVE
MENOMONEE FALLS, WI 53051 USA

Product No. JAX144

Material Use Lubricant

Non-Emergency Contact Phone: 1-800-782-8850 (North America) +01-262-781-8850 (International)

Fax: 1-262-781-3906 (North America) +01-262-781-3906 (International)

In Case of Emergency CHEMTREC: 1-800-424-9300 (North America) +01-703-527-3887 Collect (International)

Section 2. Composition / Information on Ingredients

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Components listed below either meet the reporting requirements as specified in U.S. 29 CFR 1910.1200 or EU Directive 1999/45/EC as amended, or are reported for informational purposes only.

Ingredient*	%	PEL/TLV, Source	CAS #	EINECS #	EU Hazard Symbol	R-Phrases**
Heptane	30-50	400 ppm, OSHA	142-82-5	205-563-8	F; Xn; N	R11-38-50/53-65-67
Propane	15-25	1000 ppm, OSHA	74-98-6	200-827-9	F+	R12
Butane	5-10	800 ppm, OSHA	106-97-8	203-448-7	F+	R12
Isopropyl alcohol	3-5	400 ppm, OSHA	67-63-0	200-661-7	F; Xi	R11-36-67

*See Section 11 for LD₅₀ and LC₅₀ of ingredients.

**See Section 16 for full text of R-Phrases.

Section 3. Hazards Identification

Physicochemical Hazards Extremely flammable

Human Health Hazards See Section 11.

Environmental Hazards No data available

Section 4. First Aid Measures

Eye Contact Flush with large amounts of water, occasionally lifting upper and lower eyelids for at least 15 minutes. 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 immediately.

Section 5. Firefighting Measures

Flash Point Not available

Autoignition Temperature N/A

Sensitive to Mechanical Impact No

Sensitive to Static Discharge Yes

Lower Flammability Limit N/A

Upper Flammability Limit N/A

Extinguishing Media Extinguishing media include dry chemical, alcohol foam, and carbon dioxide-type extinguishing agents. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.

Special Hazards Keep exposed containers cool with water spray to prevent rupture. Do not puncture or incinerate cans. Never use welding or cutting torch on or near this product because even just residue can ignite explosively. 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. Do not use direct stream of water because product will float and can reignite on surface of water.

Products of Combustion Carbon monoxide and carbon dioxide.

Special Protective Equipment for Firefighters Firefighters should wear full protective clothing, including helmet, and NIOSH-approved self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.

Section 6. Accidental Release Measures

Personal Precautions Extinguish all sources of ignition. Provide sufficient ventilation and/or respiratory protection. Wear appropriate protective clothing,

gloves, face mask, goggles/glasses to prevent contact with the eyes and skin. See Section 8.

Environmental Precautions 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.

Methods for Clean-Up Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Dispose of in accordance with national and/or local regulations relating to waste disposal.

Section 7. Handling and Storage

Handling Keep away from heat, sparks, open flame or where temperature may exceed 49°C (120°F). "Empty" containers retain product residue and can be dangerous. Do not cut, weld, braze, solder, drill, or grind such containers as they may explode and can cause injury or death. Do not throw empty container into fire or trash compactor. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapor or mist. Do not take internally. Do not transfer to nor store in an unmarked container. Read label and MSDS before using. Do not smoke when handling or using this product. For industrial use only.

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.

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limit 5 mg/m³ (oil mist) OSHA, for total product; see Section 2 for component exposure limit(s).

Respiratory Protection Use with adequate ventilation. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. A 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 protective gloves if contact with product is likely.

Eye Protection Chemical splash goggles or face shield 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.

Section 9. Physical and Chemical Properties

Appearance/Odor	Cream-colored with mild solvent odor	Vapor Pressure	N/A
pH	N/A	Solubility in Water	Negligible
Boiling Point	N/A	Density	North America: 6.001 lbs/gallon (typical) European Union: 0,719 g/cm ³ (typical)
Oxidizing Properties	Not an oxidizer	Viscosity	N/A
Percent Volatile	65 (approximately)	Vapor Density	Heavier than air
Coefficient of Water/Oil Distribution	N/A	Evaporation Rate	Slower than ether
Partition Coefficient: n-octanol/water	N/A	Physical State	Liquid, grease, and compressed gas in aerosol can

Section 10. Stability and Reactivity

Conditions and Materials to Avoid Avoid strong oxidizing agents.

Hazardous Polymerization Hazardous polymerization will not occur.

Hazardous Decomposition Products Carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Routes of Entry Skin contact, eye contact, ingestion and inhalation.

Skin Contact may dry the skin, causing cracks and irritation.

Eye Considered an eye irritant. Symptoms can include redness, swelling, pain, tearing, and hazy vision.

Ingestion May be harmful if swallowed, causing nausea, vomiting and abdominal pain. Prolonged over-exposure to solvent ingredients may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated the repeated and prolonged occupational over-exposure to solvents with brain and nervous system damage. The deliberate misuse by concentrating and inhaling the vapors may be harmful or fatal.

Inhalation Exposure to high concentrations of vapors may cause drowsiness, breathing difficulty, respiratory irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Acute Toxicity / LD₅₀ and LC₅₀ of Ingredients

Ingredient	LD ₅₀	LC ₅₀
Heptane	Dermal/Rabbit > 3160 mg/kg	Inhalation/Rat = 103 g/m ³ /4h
Propane	N/A	Inhalation/Rat = 361 g/m ³
Butane	N/A	Inhalation/Rat = 658 g/m ³ /4h
Isopropyl alcohol	Oral/Rat: 5045 mg/kg	Inhalation/Rat: 16000 ppm/8h

Chronic Toxicity / Carcinogenicity

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
Heptane	142-82-5	No	No	No
Propane	74-98-6	No	No	No
Butane	106-97-8	No	No	No
Isopropyl alcohol	67-63-0	No	No	No

Section 12. Ecological Information

Ecotoxicity	N/A	Bioaccumulative Potential	N/A
Mobility	N/A	Persistence and Degradability	N/A

Section 13. Disposal Considerations

Waste Disposal Consult national or regional authorities for proper disposal and reporting procedures. All disposals must comply with national and regional regulations.

Section 14. Transportation Information

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

U.S. D.O.T.

Proper Shipping Name: Aerosols, flammable, n.o.s.
UN Number: UN1950
Hazard Class: 2.1
Packing Group: None
Remarks None

Land Transport ADR/RID

Proper Shipping Name Aerosols, flammable, n.o.s.
UN Number UN1950
Hazard Class 2.1
Packing Group None

Maritime Transport IMDG

Proper Shipping Name N/A
IM Number N/A
IMDG Code N/A
Packing Group N/A

Air Transport IATA

Proper Shipping Name N/A
UN Number N/A
Hazard Class N/A
Packing Group N/A
Remarks N/A






Section 15. 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.
State Regulations	
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

European Community Regulations

The content and format of this Material Safety Data Sheet are in accordance with Commission Directive 2001/58/EC, amending for the second time Commission Directive 91/155/EEC.

European Community Label Requirements

Danger Symbol(s)	F+	Xn	N
			
S-Phrase(s)	S9: Keep container in a well-ventilated place S16: Keep away from sources of ignition - No smoking S29: Do not empty into drains S33: Take precautionary measures against static discharge S60: This material and its container must be disposed of as hazardous waste S61: Avoid release to the environment. Refer to special instructions/safety data sheet S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label		
R-Phrase(s)	R12: Extremely flammable R36/37: Irritating to eyes and respiratory system R38: Irritating to skin R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65: Harmful: may cause lung damage if swallowed R67: Vapors may cause drowsiness and dizziness		

Canada	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations (CPR)</i> and the MSDS contains all of the information required by the <i>CPR</i> .
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Section 16. Other Information

Component R-Phrase(s)	R11: Highly flammable R12: Extremely flammable R36: Irritating to eyes R37: Irritating to respiratory system R38: Irritating to skin R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65: Harmful: may cause lung damage if swallowed R67: Vapors may cause drowsiness and dizziness
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HMIS® Ratings	Health: 1 Fire: 4 Physical Hazard: 0
	HMIS® Ratings: 0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard

Abbreviations that May Be Used in this Document	N/A = Not available N/E = Not established
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Sections Revised	New MSDS format
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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 up on the criteria supplied by the developers of these rating systems, together with Pressure-Lube, Inc.'s interpretation of the available data.

*** END OF MSDS ***



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