



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 STAINLESS STEEL CLEANER & POLISH (AEROSOL)	Revision Date	1/20/2009
		Supersedes Date	1/19/2009
Supplier	PRESSURE-LUBE, INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA	Product No.	JAX123
		Material Use	Stainless steel cleaner and polish

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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**
Aliphatic hydrocarbon	10-25	500 ppm, OSHA	8052-41-3	232-489-3	Xn	R65
Propane	5-10	1000 ppm, OSHA	74-98-6	200-827-9	F+	R12
n-Butane	1-5	800 ppm, OSHA	106-97-8	203-448-7	F+	R12
Isopropanol	1-5	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	Not physicochemically hazardous per EU Directive 1999/45/EC definitions.
Human Health Hazards	See Section 11.
Environmental Hazards	This preparation is not expected to be dangerous to the environment.

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with large amounts of water for at least 15 minutes. Make sure to remove contact lenses and lift upper and lower eyelids. If irritation occurs, seek medical attention.
Skin Contact	Immediately wash contaminated area thoroughly with soap and water. Remove and launder clothing before reuse. Destroy or properly dispose of contaminated shoes. If irritation occurs, call a physician immediately.
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. 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.
Inhalation	Move person to non-contaminated fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately if symptoms persist.

Section 5. Firefighting Measures

Flash Point	No flame projection	Autoignition Temperature	N/A
Sensitive to Mechanical Impact	No	Sensitive to Static Discharge	Not expected to be sensitive to static discharge
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	Avoid possible bursting of aerosol can. Do not puncture or incinerate. Fight fire from safe distance. Wear full protective gear, including self-contained breathing apparatus.		
Products of Combustion	Decomposition products include 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 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. For industrial use only. DO NOT FREEZE!!

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. DO NOT FREEZE!!

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limit See Section 2.

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 Any lined non-permeable rubber gloves.

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 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.

Section 9. Physical and Chemical Properties

Appearance/Odor	Clear spray	Vapor Pressure	N/A
pH	N/A	Solubility in Water	Slight
Boiling Point	N/A	Density	7.268 lbs/gallon
Oxidizing Properties	Not an oxidizer	Viscosity	N/A
Percent Volatile	25-30	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 and compressed gas in aerosol can

Section 10. Stability and Reactivity

Conditions and Materials to Avoid Avoid heat, sparks, open flames and oxidizing materials.

Hazardous Polymerization Hazardous polymerization will not occur.

Hazardous Decomposition Products Decomposition products include carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Routes of Entry	Skin contact, eye contact, ingestion and inhalation.
Skin	Prolonged and repeated contact can cause moderate irritation, defatting, dermatitis. People prone to skin sensitiveness may be more sensitive to this product.
Eye	Considered irritating to the eye. Symptoms include stinging, watering, redness and swelling.
Ingestion	Slightly toxic by ingestion. This product may cause irritation and burns to the mouth, throat and digestive tract. There is a danger of this product being aspirated into the lungs during vomiting. Aspiration can result in severe lung damage or death.

Inhalation Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Asthma and other respiratory ailments may be aggravated by exposure to vapors.

**Acute Toxicity /
LD₅₀ and LC₅₀ of
Ingredients**

Ingredient	LD ₅₀	LC ₅₀
Aliphatic hydrocarbon	Oral/Rat > 5000 mg/kg	Inhalation/Rat = 8.5 g/m ³
Propane	N/A	Inhalation/Rat = 361 g/m ³
n-Butane	N/A	Inhalation/Rat = 658 g/m ³ /4h
Isopropanol	Oral/Rat >5000 mg/kg	Inhalation/Rat = 16000 ppm/8h

**Chronic Toxicity /
Carcinogenicity**

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
Aliphatic hydrocarbon	8052-41-3	No	No	No
Propane	74-98-6	No	No	No
n-Butane	106-97-8	No	No	No
Isopropanol	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, nonflammable, n.o.s.
UN/NA Number: UN1950
Hazard Class: 2.2
Packing Group: None
Remarks None

Land Transport ADR/RID

Proper Shipping Name Aerosols, nonflammable, n.o.s.
UN/NA Number UN1950
Hazard Class 2.2
Packing Group None

Maritime Transport IMDG

Proper Shipping Name Aerosols, nonflammable, n.o.s.
IM Number UN1950
IMDG Code 2.2
Packing Group None

Air Transport IATA

Proper Shipping Name Aerosols, nonflammable, n.o.s.
UN Number UN1950
Hazard Class 2.2
Packing Group None
Remarks None



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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) Xi



S-Phrase(s)
 S7: Keep container tightly closed
 S16: Keep away from sources of ignition - No smoking
 S24/25: Avoid contact with skin and eyes
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

R-Phrase(s)
 R36: Irritating to eyes
 R44: Risk of explosion if heated under confinement

Note: Preparations classified as harmful on the basis of an aspiration hazard need not be labeled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment (EU Directive 67/548/EEC Annex VI, 9.4).

Canada This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.

Section 16. Other Information

Component R-Phrase(s)
 R11: Highly flammable
 R12: Extremely flammable
 R36: Irritating to eyes
 R65: Harmful: may cause lung damage if swallowed
 R67: Vapors may cause drowsiness and dizziness

HMIS® Ratings Health: **1** Fire: **1** 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

Sections Revised None

Revision Date 1/20/2009

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