



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 MAGNA-PLATE 86 (AEROSOL)	Revision Date	3/12/2008
		Supersedes Date	1/30/2007
Supplier	PRESSURE-LUBE, INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA	Product No.	JAX110
		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	20-40	400 ppm, OSHA	142-82-5	205-563-8	F; Xn; N	R11; 38; 50/53; 65; 67
Propane	10-20	1000 ppm, OSHA	74-98-6	200-827-9	F+	R12
n-Butane	5-10	800 ppm, OSHA	106-97-8	203-448-7	F+	R12

*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. 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 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.
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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	Clear liquid with a solvent odor	Vapor Pressure	N/A
pH	N/A	Solubility in Water	Negligible
Boiling Point	N/A	Density	North America: 6.006 lbs/gallon (typical) European Union: 0,720 g/cm ³ (typical)
Oxidizing Properties	Not an oxidizer	Viscosity	N/A
Percent Volatile	40-50	Vapor Density	Heavier than air
Coefficient of Water/Oil Distribution	N/A	Evaporation Rate	Faster 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 contact with high temperatures, sparks and open flames.

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 skin, causing cracks and irritation.

- Eye** Contact may cause redness, irritation, tearing and blurred vision.
- 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.
- Inhalation** Anesthetic effect. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. 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
n-Butane	N/A	Inhalation/Rat = 658 g/m ³ /4h

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
n-Butane	106-97-8	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



AMERICA'S FINEST
JAX
INDUSTRIAL LUBRICANTS

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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

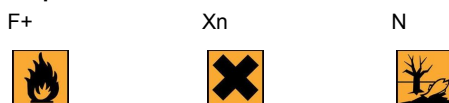
California Prop. 65	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None
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European Community Regulations

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)



S-Phrase(s)

S16: Keep away from sources of ignition - No smoking
 S23: Do not breathe vapor/spray
 S24: Avoid contact with skin
 S33: Take precautionary measures against static discharge
 S47: Keep at temperature not exceeding 49°C (120°F)
 S51: Use only in well-ventilated areas
 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
 R38: Irritating to skin
 R44: Risk of explosion if heated under confinement
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R67: Vapors may cause drowsiness and dizziness

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
 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

HMIS® Ratings

Health: **1** Fire: **3** 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

New MSDS format

Revision Date

3/12/2008

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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