



MATERIAL SAFETY DATA SHEET

CONFORMS TO REGULATION (EC) NO. 1907/2006

Page No. 1
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the Substance/Preparation: JAX FOOD GRADE ANTI-SEIZE (BULK)

Part Number: JAX134

Use of the Substance/Preparation: Thread release

Company/Undertaking Identification: PRESSURE-LUBE, INC.
W134 N5373 CAMPBELL DRIVE
MENOMONEE FALLS, WI 53051 USA

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)

Emergency Contact (24-hour): CHEMTREC: 1-800-424-9300 (North America) +01-703-527-3887 Collect (International)

SECTION 2. HAZARDS IDENTIFICATION

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

Physicochemical Hazards: Not physicochemically hazardous per EU Directive 1999/45/EC definitions.

Human Health Hazards: See Section 11.

Environmental Hazards: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

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*
Highly refined mineral oils*	50-70	5 mg/m ³ (oil mist), OSHA	8042-47-5	232-455-8	None	None
Zinc oxide	<2	5 mg/m ³ , OSHA	1314-13-2	215-222-5	N	R50/53
Zinc sulfide	<1	N/A	1314-98-3	215-251-3	Xi	R36/37/38
Calcium carbonate	10-20	5 mg/m ³ (respirable), OSHA	471-34-1	207-439-9	None	None

*Contains <3% DMSO extract as measured by IP346

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

SECTION 4. FIRST AID MEASURES

General Information: Refer to specific forms of contact described below.

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek medical attention.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse.

Ingestion: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. DO NOT induce vomiting. Consult a physician if necessary.

Inhalation: No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.

Self-Protection of the First Aider: First Aider: Pay attention to self-protection.

EU Info to Physician Refer to this section.

SECTION 5. FIREFIGHTING MEASURES

Suitable 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.

Unsuitable Extinguishing Media: Do not use direct stream of water.

Special Hazards: Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for the firefighters. Leaks/ruptures in high-pressure systems using materials of this type can create a fire hazard when in the vicinity of ignition sources (open flame, pilot lights, sparks or electric arcs).

Products of Combustion: Oxides of carbon, sulfur and nitrogen

Special Protective

Equipment for
Firefighters:

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). Do not throw empty container into fire or trash compactor. Container is not designed to contain pressure; do not use pressure to empty container or it may rupture with explosive force. "Empty" containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, or grind such containers as they may explode and can cause injury or death. Use only with adequate ventilation. Do not breathe vapor or mist. Do not take internally. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. 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. Do not use in high-pressure systems in the vicinity of flames, sparks and hot surfaces. Empty container should be promptly returned to a drum reconditioner. For industrial use only.
- Storage:** Store in tightly sealed containers. Store in a cool, dry place out of direct sunlight. Do not store near heat, sparks, open flame, pilot lights, static electricity, or where temperature may exceed 49°C (120°F). Rotate stock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational Exposure Limit:** See Section 3.
- 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:** Use in a well-ventilated area. See Engineering Controls.
- Hand Protection (Gloves):** Wear chemical-resistant gloves, such as neoprene, polyvinyl alcohol or polyethylene.
- Eye Protection:** Chemical splash goggles or face shield are advised when eye contact may occur.
- Personal Hygiene:** Wash thoroughly after handling.
- Engineering Controls:** Good general ventilation should be sufficient to control vapors under ambient conditions. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH:	N/A	Partition Coefficient (n-octanol/water):	N/A
Boiling Point/Range:	>700°F (371°C)	Viscosity:	N/A
Flash Point:	480°F (248°C), ASTM D 92	Vapor Density:	N/A
Upper Flammability Limit:	N/A	Evaporation Rate:	N/A
Lower Flammability Limit:	N/A	Percent Volatile:	0
Oxidizing Properties:	Not an oxidizer	Appearance/Odor:	White/tacky lubricating grease with bland odor
Vapor Pressure:	0 mm Hg	Physical State:	Semi-solid grease
Density:	N/A		
Solubility in Water:	Nil		

SECTION 10. STABILITY AND REACTIVITY

- Conditions and Materials to Avoid:** Avoid strong oxidizers and related compounds and finely divided metal powders (such as aluminum and magnesium).
- Hazardous Polymerization:** Hazardous polymerization will not occur.
- Hazardous Decomposition Products:** Oxides of carbon, sulfur and nitrogen

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Skin contact, eye contact, ingestion and inhalation.
Skin Toxicological Effects:	May cause mild skin irritation.
Eye Toxicological Effects:	May cause slight irritation and redness.
Ingestion Toxicological Effects:	Not likely to be hazardous by ingestion.
Inhalation Toxicological Effects:	Product is not likely to be inhaled. Not hazardous as shipped.

Acute Toxicity / LD₅₀ and LC₅₀ of Ingredients:	<u>Ingredient</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
	Highly refined mineral oils*	N/A	N/A
	Zinc oxide	Oral/Rat > 15000 mg/kg	Inhalation/Rat > 5.7 mg/l/4h
	Zinc sulfide	Oral/Rat => 2 g/kg	Inhalation/Rat => 5040 mg/m ³ /4h
	Calcium carbonate	N/A	N/A

*Contains <3% DMSO extract as measured by IP346

Chronic Toxicity / Carcinogenicity:	<u>Ingredient</u>	<u>CAS #</u>	<u>NTP Known Carcinogen</u>	<u>NTP Anticipated Carcinogen</u>	<u>IARC Group</u>
	Highly refined mineral oils*	8042-47-5	No	No	No
	Zinc oxide	1314-13-2	No	No	No
	Zinc sulfide	1314-98-3	No	No	No
	Calcium carbonate	471-34-1	No	No	No

*Contains <3% DMSO extract as measured by IP346

SECTION 12. ECOLOGICAL INFORMATION

Mobility: N/A **Bioaccumulative Potential:** N/A **Persistence and Degradability:** N/A

Exotoxicity / LC₅₀ of Ingredients:	<u>Ingredient</u>	<u>EC₅₀</u>
	Highly refined mineral oils*	N/A
	Zinc oxide	N/A
	Zinc sulfide	N/A
	Calcium carbonate	N/A

*Contains <3% DMSO extract as measured by IP346

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:	Not regulated
UN Number:	None
Hazard Class:	None
Packing Group:	None
Remarks:	None

Land Transport ADR/RID

Proper Shipping Name:	Not regulated
UN Number:	None
Hazard Class:	None
Packing Group:	None

Maritime Transport IMDG

Proper Shipping Name: Not regulated
IM Number: None
IMDG Code: None
Packing Group: None

Air Transport IATA

Proper Shipping Name: Not regulated
UN Number: None
Hazard Class: None
Packing Group: None
Remarks: None

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:
Zinc oxide CAS# 1314-13-2
Zinc sulfide CAS# 1314-98-3

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 Proposition 65: This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm:
Tetrafluoroethylene

Canada Regulations

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*.

European Community Label Requirements

Danger Symbol(s): None

S-Phrase(s): S61: Avoid release to the environment. Refer to special instructions / Safety data sheets

R-Phrase(s): R44: Risk of explosion if heated under confinement
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Note: R44 applies only when stored in tightly closed, rigid containers such as steel drums.

National Regulations (Germany)

Water Hazard Class: N/A

SECTION 16. OTHER INFORMATION

Component R-Phrase(s) R36/37/38: Irritating to eyes, respiratory system and skin
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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: New MSDS format

Revision Date: 2/7/2011

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*** END OF MSDS ***