



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 FOOD GRADE ANTI-SEIZE (BULK)

Revision Date 8/13/2008

Supersedes Date 1/29/2007

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

Product No. JAX134

Material Use Thread release

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**
Highly refined mineral oils (<3% DMSO extract by IP346)	50-70	5 mg/m ³ (oil mist), OSHA	8042-47-5	232-455-8	None	None
Zinc oxide	1-5	5 mg/m ³ , OSHA	1314-13-2	215-222-5	N	R50/53
Zinc sulfide	<2	15 mg/m ³ , OSHA	1314-98-3	215-251-3	None	R31
Calcium carbonate	10-20	5 mg/m ³ (respirable), OSHA	471-34-1	207-439-9	None	None
Polytetrafluoroethylene	2-5	N/E	9002-84-0	N/E	None	None

*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 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Section 4. First Aid Measures

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 laundry 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.

Section 5. Firefighting Measures

Flash Point 480°F (248°C), ASTM D 92

Autoignition Temperature N/A

Sensitive to Mechanical Impact No

Sensitive to Static Discharge No

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 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 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

INDUSTRIAL LUBRICANTS (UK) LIMITED

Tel. 08701 632933 Fax. 08701 632933

sales@indlub.co.uk www.indlub.co.uk

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 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	Use in a well-ventilated area. See Engineering Controls.
Protective 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

Appearance/Odor	White/tacky lubricating grease with bland odor	Vapor Pressure	0 mm Hg
pH	N/A	Solubility in Water	Nil
Boiling Point	>700°F (371°C)	Density	N/A
Oxidizing Properties	Not an oxidizer	Viscosity	N/A
Percent Volatile	0	Vapor Density	N/A
Coefficient of Water/Oil Distribution	N/A	Evaporation Rate	N/A
Partition Coefficient: n-octanol/water	N/A	Physical State	Semi-solid grease

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	May cause mild skin irritation.
Eye	May cause slight irritation and redness.

Ingestion Not likely to be hazardous by ingestion.
Inhalation Product is not likely to be inhaled. Not hazardous as shipped.

Acute Toxicity / LD₅₀ and LC₅₀ of Ingredients

Ingredient	LD ₅₀	LC ₅₀
Highly refined mineral oils (<3% DMSO extract by IP346)	N/A	N/A
Zinc oxide	Oral/Rat > 15000 mg/kg	Inhalation/Rat > 5.7 mg/l/4h
Zinc sulfide	N/A	N/A
Calcium carbonate	N/A	N/A
Polytetrafluoroethylene	N/A	N/A

Chronic Toxicity / Carcinogenicity

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
Highly refined mineral oils (<3% DMSO extract by IP346)	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
Polytetrafluoroethylene	9002-84-0	No	No	Group 3 (Not Classifiable)

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

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 N

S-Phrase(s) S24/25: Avoid contact with skin and eyes
S57: Use appropriate container to avoid environmental contamination
S61: Avoid release to the environment. Refer to special instructions / Safety data sheets

R-Phrase(s) R44: Risk of explosion if heated under confinement
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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) R31: Contact with acids liberates toxic gas
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 8/13/2008

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.