



SAFETY DATA SHEET

CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD
(HCS) 29 CFR 1910.1200

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Revision Date 10/3/2016
Supersedes Date 4/21/2016

SECTION 1. IDENTIFICATION

Product identifier: JAX Gear-Guard® Synthetic (Aerosol)

Part number: JAX105

Identified uses: Lubricant where there is no possibility of contact with food

Uses advised against: Not for use where there is the possibility of contact with food. Other uses advised against may be specified elsewhere in this SDS.

Supplier: Pressure-Lube Inc. JAX
W134 N5373 Campbell Drive
Menomonee Falls, WI 53051 USA

Email contact: info@jax.com

Non-emergency contact: Phone: 262-781-7660 Fax: 262-781-3906

Emergency telephone: INFOTRAC:
North America 1-800-535-5053 Australia 1-300-366-961 Germany 0800-181-2926
International 011-1-352-323-3500 (collect) China 400-120-0761

SECTION 2. HAZARD(S) IDENTIFICATION

Classification: Flammable Aerosol Cat. 1; Skin Sens. 1; STOT SE 3; Gases under Pressure (Compressed Gas)

Label elements

Pictograms:



Signal word: Danger

Hazard statements: Extremely flammable aerosol. May cause an allergic skin reaction. May cause drowsiness or dizziness. Contains gas under pressure; may explode if heated.

Precautionary statements: Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing fume/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Use only outdoors or in a well-ventilated area. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep container tightly closed. Store locked up in a well-ventilated place. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

Hazards not otherwise classified: Toxic to aquatic life with long lasting effects.

Additional information: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Chemical name	%	CAS #	Impurities
	Pentane	25-50	109-66-0	None
	Propane	10-<25	74-98-6	None
	Butane	10-<25	106-97-8	None
	Zinc oxide	<2.5	1314-13-2	None
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	<2.5	72676-55-2	None

SECTION 4. FIRST-AID MEASURES

First aid measures

Eye contact: Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Skin contact: Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician.

Ingestion: If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed:

May cause an allergic skin reaction. May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment available:

See First aid measures (above).

General information:

No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES**Suitable extinguishing media:**

Extinguishing media include dry chemical, alcohol foam, and carbon dioxide. 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.

Specific hazards:

Extremely flammable aerosol. Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.

Advice for firefighters:

Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined space or as otherwise needed.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Prevent entry into sewers, waterways or confined areas by diking or impounding. Dike far ahead of spill for later recovery and disposal. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

Methods for containment and cleaning up**Land spill:** Stop leak if you can do so without risk. Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Recover by pumping or with suitable absorbents. Dispose of in accordance with national and/or local regulations relating to waste disposal.**Water spill:** Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.**SECTION 7. HANDLING AND STORAGE****Precautions for safe handling:**

Keep away from heat and direct sunlight. Keep away from ignition sources - Do not smoke. Protect against electrostatic discharges. Ensure good ventilation/exhaustion at the workplace.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. Observe official regulations on storing packagings with pressurized containers. Store away from oxidizing agents. Do not store near heat, sparks, open flame, pilot lights, static electricity, or other sources of ignition. Do not store where temperature may exceed 49°C (120°F). Rotate stock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits:****Chemical name****Exposure limit and source**

Pentane

Long-term value = 1800 mg/m³, 600 ppm

Propane

1000 ppm, TWA, OSHA PEL

Butane

Short-term value = 1450 mg/m³, 600 ppmLong-term value = 1810 mg/m³, 750 ppm

Zinc oxide

2 mg/m³ (TWA), ACGIH10 mg/m³ (STEL), ACGIH

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Not available

Exposure controls**Engineering controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective occupational exposure limits.

Ventilation:

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

Personal hygiene:

Wash skin thoroughly after contact, before breaks and meals and at the end of the work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

Eye protection:

Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.

Hand protection: Any lined non-permeable rubber gloves.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / odor:	Blue color with a light petroleum odor	Upper flammability limit:	Not available
		Lower flammability limit:	Not available
Physical state:	Liquid, grease and compressed gas in aerosol can	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density:	Not available
pH:	Not available		
Melting / freezing point:	Not available	Relative density:	0.78-0.80 (typical)
Initial boiling point and boiling range:	Not available	Solubility in water:	Not available
Flash point:	Not available; however, product is classified as an extremely flammable aerosol.	Partition coefficient (n-octanol/water):	Not available
Evaporation rate:	Not available	Autoignition temperature:	Not available
		Decomposition temperature:	Not available
Flammability (solid, gas):	Extremely flammable aerosol	Viscosity:	>20.5 cSt @ 40°C (concentrate only)

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical stability:	Stable under recommended conditions.
Possibility of hazardous reactions:	Hazardous reactions are not expected to occur.
Conditions and materials to avoid:	Strong acids, alkalies, and oxidizers.
Hazardous decomposition products:	Fumes, smoke, carbon monoxide, carbon dioxide, sulfur oxides, and other oxides of incomplete combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact:	No known significant effects or critical hazards.
Skin contact:	May cause an allergic skin reaction.
Inhalation:	May cause drowsiness or dizziness.
Ingestion:	No known significant effects or critical hazards.

Component information:	Components	LD₅₀	LC₅₀
	Pentane	Not available	Not available
	Propane	Not available	Not available
	Butane	Not available	658 mg/l/4h (inhalation, rat)
	Zinc oxide	5000 mg/kg (oral, rat)	Not available
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	Not available	Not available

Information on physical, chemical and toxicological effects

Symptoms: See Section 4 of this SDS for symptoms.

Delayed and immediate effects, and chronic effects, from short and long-terms exposure

Effects: May cause an allergic skin reaction. May cause drowsiness or dizziness.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Numerical measures of toxicity: Not determined

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Component information:	Components	<u>L(E)C₅₀</u>
	Pentane	Not available
	Propane	Not available
	Butane	Not available
	Zinc oxide	1.1 mg/l/96h [Oncorhynchus mykiss (rainbow trout)]
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	Not available

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined

Mobility in soil: Not available

Other adverse effects: Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Consult national or regional authorities for proper disposal and reporting procedures.

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>Proper Shipping Name:</u>	<u>UN Number:</u>	<u>Hazard Class:</u>	<u>Packing Group:</u>	<u>Remarks:</u>
<u>U.S. D.O.T.</u>	Aerosols, flammable	UN1950	2.1	None	Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional information on provisions, packaging, and Limited Quantity exceptions.
<u>ADR/RID</u>	Aerosols, Environmentally Hazardous	UN1950	2.1	None	Tunnel Restriction D
<u>IMDG</u>	Aerosols (Pentanes, Zinc oxide), Marine Pollutant	UN1950	2.1	None	None
<u>IATA</u>	Aerosols, flammable	UN1950	2.1	None	None

SECTION 15. REGULATORY INFORMATION**U.S. Federal Regulations**

SARA Section 302 Extremely Hazardous Substances: This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List:
None

SARA Section 304 CERCLA Hazardous Substances: Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is subject to reporting to the National Response Center under CERCLA:
None

SARA Section 313 Toxic Chemicals: 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

TSCA Inventory: All components of this material are on the U.S. TSCA Inventory.

U.S. State Regulations

California Proposition 65 Status: This product does not contain chemical(s) known to the State of California to cause birth defects or other reproductive harm.

California Proposition 65 Listed Components: None

International Regulations

Canada: This product has been classified in accordance with the hazard criteria of WHMIS 2015 and the SDS contains all of the information required by those regulations.

Japan MITI:	Not available
Australia:	Not available
Switzerland:	Not available

SECTION 16. OTHER INFORMATION

Sections Revised: Section 2

Revision Date: 10/3/2016

The information and recommendations contained herein are, to the best of Pressure-Lube Inc. JAX's knowledge and belief, accurate and reliable as of the date issued. Pressure-Lube Inc. JAX makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and Pressure-Lube Inc. JAX shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with Pressure-Lube Inc. JAX's interpretation of the available data.

*** END OF SDS ***