



# 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 8/19/2015

## SECTION 1. IDENTIFICATION

**Product identifier:** JAX Jet Fire Starting Ether (Aerosol)  
**Part number:** JAX115  
**Identified uses:** Starting ether  
**Uses advised against:** Any use not specified above, or any use specified against 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; Gases under Pressure (Compressed Gas); Acute Toxicity Cat. 4; STOT SE 3

### Label elements

**Pictograms:**



**Signal word:** Danger

**Hazard statements:** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Harmful if swallowed. May cause drowsiness or dizziness.

**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. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing fume/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. IF SWALLOWED: Call a poison center/ doctor if you feel unwell. Rinse mouth. 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. Store locked up in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

**Hazards not otherwise classified:** Not applicable.

**Additional information:** May form explosive peroxides. Risk of explosion if heated under confinement.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Chemical name	%	CAS #	Impurities
	Diethyl ether	50-100	60-29-7	None
	Naphtha (petroleum), hydrotreated light*	2.5-10	64742-49-0	None
	Carbon dioxide	2.5-10	124-38-9	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:** Harmful if swallowed. 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. Contains gas under pressure; may explode if heated. May form explosive peroxides. Risk of explosion if heated under confinement. 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

<u>Workplace exposure limits:</u>	<u>Chemical name</u>	<u>Exposure limit and source</u>
	Diethyl ether	Short-term value: 616 mg/m <sup>3</sup> , 200 ppm Long-term value: 308 mg/m <sup>3</sup> , 100 ppm
	Naphtha (petroleum), hydrotreated light*	Not available
	Carbon dioxide	Short-term value: 27400 mg/m <sup>3</sup> , 15000 ppm Long-term value: 9150 mg/m <sup>3</sup> , 5000 ppm

### 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**

<b><u>Appearance / odor:</u></b>	Clear liquid with strong ethereal odor	<b><u>Upper flammability limit:</u></b>	Not available
<b><u>Physical state:</u></b>	Liquid and compressed gas in aerosol can	<b><u>Lower flammability limit:</u></b>	Not available
<b><u>Odor threshold:</u></b>	Not available	<b><u>Vapor pressure:</u></b>	80 psig
<b><u>pH:</u></b>	Not available	<b><u>Vapor density:</u></b>	>1 (air = 1)
<b><u>Melting / freezing point:</u></b>	Not available	<b><u>Relative density:</u></b>	<1
<b><u>Initial boiling point and boiling range:</u></b>	Not available	<b><u>Solubility in water:</u></b>	Negligible
<b><u>Flash point:</u></b>	-45°C. Product is considered extremely flammable.	<b><u>Partition coefficient (n-octanol/water):</u></b>	Not available
<b><u>Evaporation rate:</u></b>	>1 (butyl acetate = 1)	<b><u>Autoignition temperature:</u></b>	Not available
<b><u>Flammability (solid, gas):</u></b>	Extremely flammable aerosol	<b><u>Decomposition temperature:</u></b>	Not available
		<b><u>Viscosity:</u></b>	Not available

**SECTION 10. STABILITY AND REACTIVITY**

<b><u>Reactivity:</u></b>	Not reactive under normal conditions.
<b><u>Chemical stability:</u></b>	Stable under recommended conditions.
<b><u>Possibility of hazardous reactions:</u></b>	Hazardous reactions are not expected to occur.
<b><u>Conditions and materials to avoid:</u></b>	Avoid any ignition sources, open flames, high temperatures [above 120°F (49°C)], direct sunlight and excessive heat. Avoid contact with nitric plus acetic acids, nitric plus sulfuric acids, amines, strong acids and strong oxidizing agents.
<b><u>Hazardous decomposition products:</u></b>	Carbon monoxide and carbon dioxide

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b><u>Eye contact:</u></b>	No known significant effects or critical hazards.
<b><u>Skin contact:</u></b>	No known significant effects or critical hazards.
<b><u>Inhalation:</u></b>	May cause drowsiness or dizziness.
<b><u>Ingestion:</u></b>	Harmful if swallowed.

<b><u>Component information:</u></b>	<b><u>Components</u></b>	<b><u>LD<sub>50</sub></u></b>	<b><u>LC<sub>50</sub></u></b>
	Diethyl ether	1215 mg/kg (oral, rat)	73000 mg/l/4h (inhalation, rat)
	Naphtha (petroleum), hydrotreated light*	Not available	Not available
	Carbon dioxide	Not available	Not available

**Information on physical, chemical and toxicological effects**

<b><u>Symptoms:</u></b>	See Section 4 of this SDS for symptoms.
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**Delayed and immediate effects, and chronic effects, from short and long-terms exposure**

<b><u>Effects:</u></b>	Harmful if swallowed. May cause drowsiness or dizziness.
<b><u>Carcinogenicity:</u></b>	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.
<b><u>Numerical measures of toxicity:</u></b>	Not determined

**SECTION 12. ECOLOGICAL INFORMATION**

<b><u>Ecotoxicity:</u></b>	Not available	
<b><u>Component information:</u></b>	<b><u>Components</u></b>	<b><u>L(E)C<sub>50</sub></u></b>
	Diethyl ether	Not available
	Naphtha (petroleum), hydrotreated light*	Not available
	Carbon dioxide	Not available

<b><u>Persistence and degradability:</u></b>	Not determined
<b><u>Bioaccumulative potential:</u></b>	Not determined
<b><u>Mobility in soil:</u></b>	Not available
<b><u>Other adverse effects:</u></b>	Not determined

**SECTION 13. DISPOSAL CONSIDERATIONS**

<b><u>Waste treatment methods:</u></b>	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.
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**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.

	<b><u>Proper Shipping Name:</u></b>	<b><u>UN Number:</u></b>	<b><u>Hazard Class:</u></b>	<b><u>Packing Group:</u></b>	<b><u>Remarks:</u></b>
<b><u>U.S. D.O.T.</u></b>	Aerosols, flammable, n.o.s. (engine starting fluid)	UN1950	2.1	None	Transportation by Passenger Aircraft/Rail is FORBIDDEN. Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional information.
<b><u>ADR/RID</u></b>	Aerosols, flammable	UN1950	2.1	None	Tunnel Restriction D
<b><u>IMDG</u></b>	Aerosols, flammable	UN1950	2.1	None	None
<b><u>IATA</u></b>	Aerosols, flammable (engine starting fluid)	UN1950	2.1	None	Shipment of this product on passenger and cargo aircraft is FORBIDDEN per I.A.T.A. regulations.

**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: Diethyl ether CAS# 60-29-7 RQ = 100 lbs.

**SARA Section 313 Toxic Chemicals:** This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None

**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

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 \*\*\*