



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 7/30/2015

SECTION 1. IDENTIFICATION

Product identifier: JAX Tef-Stef (Aerosol)
Part number: JAX145
Identified uses: Lubricant where there may be incidental food contact
Uses advised against: Not intended for direct food contact. 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; Gases under Pressure (Compressed Gas); Skin Irritation Cat. 2; Eye Irritation Cat. 2; STOT SE 3

Label elements

Pictograms:



Signal word: Danger

Hazard statements: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. 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 thoroughly after handling. Wear protective gloves/ eye protection/ face protection. Avoid breathing fume/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. 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. Store locked up. 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
	2-methylpentane	25-50	107-83-5	None
	Propane	10-25	74-98-6	None
	Butane	10-25	106-97-8	None
	Propan-2-ol	10-25	67-63-0	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: Causes skin irritation. Causes serious eye irritation. 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

<u>Workplace exposure limits:</u>	<u>Chemical name</u>	<u>Exposure limit and source</u>
	2-methylpentane	Not available
	Propane	Not available
	Butane	Short-term value = 1450 mg/m ³ , 600 ppm Long-term value = 1810 mg/m ³ , 750 ppm
	Propan-2-ol	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 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

Appearance / odor:	Colorless liquid with white powder and a fruity odor	Upper flammability limit:	Not available
Physical state:	Liquid, powder and compressed gas in aerosol can	Lower flammability limit:	Not available
Odor threshold:	Not available	Vapor pressure:	Not available
pH:	Not available	Vapor density:	Not available
Melting / freezing point:	Not available	Relative density:	0.68 (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
Flammability (solid, gas):	Extremely flammable aerosol	Decomposition temperature:	Not available
		Viscosity:	Not available

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:	Avoid heat, sparks, open flames, welding arcs, direct sunlight or other high temperature sources. Avoid oxygen, strong oxidizers, selected amines, strong acids, strong bases, acetaldehyde, chlorine, ethylene oxide, fluorine, chlorine trifluoride, isocyanates. May be corrosive to lead and aluminum. Incompatible with finely divided metal powders.
Hazardous decomposition products:	Formaldehyde, toxic gases/vapors created under heat, hydrogen fluoride, carbonyl fluoride, other fluorinated gases, and carbon oxides when burned.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact:	Causes serious eye irritation.
Skin contact:	Causes skin irritation.
Inhalation:	May cause drowsiness or dizziness.
Ingestion:	May cause drowsiness or dizziness.

Component information:	Components	LD₅₀	LC₅₀
	2-methylpentane	Not available	Not available
	Propane	Not available	Not available
	Butane	Not available	658 mg/l/4h (inhalation, rat)
	Propan-2-ol	5045 mg/kg (oral, rat)	30 mg/l/4h (inhalation, rat)

Information on physical, chemical and toxicological effects

Symptoms:	See Section 4 of this SDS for symptoms.
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Delayed and immediate effects, and chronic effects, from short and long-term exposure

Effects:	Causes skin irritation. Causes serious eye irritation. 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	Not determined

toxicity:**SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity: Toxic to aquatic life with long lasting effects.

<u>Component information:</u>	<u>Components</u>	<u>LEIC₅₀</u>
	2-methylpentane	Not available
	Propane	Not available
	Butane	Not available
	Propan-2-ol	Not available

Persistence and degradability: Not determinedBioaccumulative potential: Not determinedMobility in soil: Not availableOther 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>	1950 Aerosols, Environmentally Hazardous	UN1950	2.1	None	Tunnel Restriction D
<u>IMDG</u>	Aerosols (2-methylpentane), Marine Pollutant	UN1950	2.1	None	None
<u>IATA</u>	Aerosols, flammable	UN1950	2.1	None	None

SECTION 15. REGULATORY INFORMATIONU.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: 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

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 ***