



SAFETY DATA SHEET

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

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Revision Date 10/2/2017
Supersedes Date 2/22/2017

SECTION 1. IDENTIFICATION

Product identifier: JAX Peel-Off Degreaser
Part number: 00211
Identified uses: Cleaner and degreaser for use in non food processing areas where there is no possibility of solvent vapors entering a processing area.
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: Skin Irritant Cat. 2; Eye Irritant Cat. 2B; Carcinogen Cat. 1B; Reproductive Toxicity Cat. 1B; STOT SE Cat. 3B; Acute Toxicity (Oral) Cat. 4; Skin Sensitization Cat. 1

Label elements

Pictograms:



Signal word: Danger

Hazard statements: Causes skin irritation. Causes eye irritation. May cause drowsiness or dizziness. May cause respiratory irritation. Harmful if swallowed. May cause an allergic skin reaction. May cause cancer. May damage fertility or the unborn child.

Precautionary statements: Wash skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection. Avoid breathing fume/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. IF ON SKIN: Wash with plenty of soap and water. 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, or if skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth. If exposed or concerned: Get medical advice/attention. 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: Toxic to aquatic life with long lasting effects.

Additional information: Pooled liquid can ignite if exposed to source of ignition.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition:</u>	<u>Chemical name</u>	<u>%</u>	<u>CAS #</u>	<u>Impurities</u>
	1-Bromopropane	50-100	106-94-5	None
	Propan-1-ol	5-<10	71-23-8	None
	d-Limonene	3-<5	8028-48-6	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. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

Skin contact:

may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

Ingestion: Do not induce vomiting; call for medical help immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in the recovery position. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

Most important symptoms and effects, both acute and delayed: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory 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: Pooled liquid can ignite if exposed to source of ignition.

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: Absorb with liquid-binding material. Ensure adequate ventilation. Dispose contaminated material as waste according to Section 13.

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>
	1-Bromopropane	Not available
	Propan-1-ol	Short-term value: 625 mg/m ³ , 250 ppm Long-term value: 500 mg/m ³ , 200 ppm
	d-Limonene	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:

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:	Clear with citrus solvent odor	Upper flammability limit:	Not available
		Lower flammability limit:	Not available
Physical state:	Liquid	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density:	Not available
pH:	Not available	Relative density:	1.32 (typical)
Melting / freezing point:	Not available	Solubility in water:	Not available
Initial boiling point and boiling range:	Not available	Partition coefficient (n-octanol/water):	Not available
Flash point:	Not available	Autoignition temperature:	Not available
Evaporation rate:	Not available	Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	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 high temperatures and open flames. Avoid contact with caustics, strong oxidizers, strong mineral acids, and acidic agents (including clay). Prolonged contact with aluminum, magnesium, and zinc metals should be avoided. May attack some plastics, rubber and coatings. Thoroughly test for all applications before use.
Hazardous decomposition products:	Bromide and/or hydrogen bromide, hydrogen halide, carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact:	Causes eye irritation.
Skin contact:	Causes skin irritation. May cause an allergic skin reaction.
Inhalation:	May cause drowsiness or dizziness. May cause respiratory irritation.
Ingestion:	Harmful if swallowed.

Component information:	Components	LD₅₀	LC₅₀
	1-Bromopropane	Not available	253 mg/l/4h (inhalation, rat)
	Propan-1-ol	1870 mg/kg (oral, rat)	Not available
	d-Limonene	>2 g/kg (oral, rat)	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: Causes skin irritation. Causes eye irritation. May cause cancer. May damage fertility or the unborn child. May cause drowsiness or dizziness. May cause respiratory irritation. Harmful if swallowed. May cause an allergic skin reaction.

Carcinogenicity: May cause cancer.

Numerical measures of Not determined

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

Component information:	Components	L(E)C₅₀
	1-Bromopropane	Not available
	Propan-1-ol	Not available
	d-Limonene	0.1-1 mg/l (fish and daphnia magna)

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.

	Proper Shipping Name:	UN Number:	Hazard Class:	Packing Group:	Remarks:
U.S. D.O.T.	Environmentally hazardous substance, liquid, n.o.s. (Terpene hydrocarbons mixture)	UN3082	9	III	Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional information on provisions, packaging, and Limited Quantity exceptions.
ADR/RID	Environmentally hazardous substance, liquid, n.o.s. (Terpene hydrocarbons mixture)	UN3082	9	III	None
IMDG	Environmentally hazardous substance, liquid, n.o.s. (Terpene hydrocarbons mixture)	UN3082	9	III	None
IATA	Environmentally hazardous substance, liquid, n.o.s. (Terpene hydrocarbons mixture)	UN3082	9	III	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:
1,2-Butylene oxide, CAS #106-88-7, present at <2%
t-Butanol, CAS #75-65-0, present at <2%**TSCA Inventory:** All components of this material are on the U.S. TSCA Inventory.**U.S. State Regulations****California Proposition 65 Status:** This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.

California n-Propyl bromide
Proposition 65
Listed Components:

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: 10/2/2017

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 ***