



SAFETY DATA SHEET





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

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Revision Date 6/1/2015
Supersedes Date 1/8/2014

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** JAX Peel-Off Degreaser (Aerosol)
Part number: JAX211
- 1.2 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.
- 1.3 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
- 1.4 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. HAZARDS IDENTIFICATION

- 2.1 GHS Classification:**
Hazard class(es): Reproductive Toxicity Cat. 1B; STOT RE 2; Eye Damage Cat. 1; Aquatic Chronic Cat. 2; Skin Irritation Cat. 2; Skin Sensitization Cat. 1; STOT SE 3
- 2.2 Label elements**
Pictograms:    
- Signal word:** Danger
- Hazard-determining components of labeling:** 1-bromopropane; Propan-1-ol; (R)-p-mentha-1,8-diene
- Hazard statements:** Pressurized container: May burst if heated. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects. Restricted to professional users. 95.0 % by mass of the contents are flammable.
- Precautionary statements:** Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.
- Additional information** SVHC: 1-Bromopropane, CAS # 106-94-5
- 2.3 Other hazards**
Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition	Components	%	CAS #	Impurities
	1-Bromopropane	50-100	106-94-5	None
	(R)-p-mentha-1,8-diene	2.5-10	5989-27-5	None
	Carbon dioxide	2.5-10	124-38-9	None
	Propan-1-ol	2.5-10	71-23-5	None
3.2 Additional information	Not applicable			

SECTION 4. FIRST AID MEASURES

- 4.1 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:	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. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
Ingestion:	Call for a physician immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

4.2 Most important symptoms and effects, both acute and delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment available.

No further relevant information available.

SECTION 5. FIREFIGHTING MEASURES

5.1 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.
5.2 Special hazards:	Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.
5.3 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

6.1 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.
6.2 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.
6.3 Containment and clean-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.
6.4 Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protective equipment.

SECTION 7. HANDLING AND STORAGE

7.1 Handling:	Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. See Section 8.2 for information on occupational hygiene.
7.2 Storage:	Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. 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). Store away from oxidizing agents. Rotate stock. See Section 10 for information on conditions and materials to avoid.
7.3 End Uses:	Refer to Section 1 for identified uses, and uses advised against.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Workplace exposure limits:	Components	Exposure limit and source
	1-Bromopropane	Not available
	(R)-p-mentha-1,8-diene	Not available
	Carbon dioxide	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm

Propan-1-ol

Short-term value: 625 mg/m³, 250 ppmLong-term value: 500 mg/m³, 200 ppm**8.2 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**9.1 Physical and chemical properties**

Appearance / odor: Clear with citrus solvent odor

Vapor pressure: Not available

Physical state: Liquid and compressed gas in aerosol can

Vapor density: Not available

Odor threshold: Not available

Relative density: 1.32 (typical)

pH: Not available

Solubility in water: Not available

Melting / freezing point: Not available

Partition coefficient (n-octanol/water): Not available

Boiling point / range: Not available

Flash point: Not applicable

Autoignition temperature: Not available

Evaporation rate: Not available

Decomposition temperature: Not available

Upper flammability limit: Not available

Viscosity: Not available

Lower flammability limit: Not available

Explosive properties: Not applicable

Percent Volatile: Not available

Oxidizing properties: Not an oxidizer

9.2 Other information No further relevant information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: See sub-sections below.

10.2 Chemical stability: This material is stable under normal conditions.

10.3 Possibility of hazardous reactions: Hazardous reactions are not expected to occur.

10.4 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.

10.5 Hazardous decomposition products: Bromide and/or hydrogen bromide, hydrogen halide, carbon monoxide and carbon dioxide.

11.1 Information on toxicological effects

Acute toxicity / LD₅₀ and LC₅₀ of ingredients:

Components

1-Bromopropane

LD₅₀

Not available

LC₅₀

253 mg/l/4h (inhalation, rat)

(R)-p-mentha-1,8-diene

Not available

Not available

Carbon dioxide

Not available

Not available

Propan-1-ol

1870 mg/kg (oral, rat)

Not available

Routes of exposure: Eyes, skin, ingestion and inhalation

Other information: Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis, which can be fatal.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:	Components	L(E)C₅₀
	1-Bromopropane	Not available
	(R)-p-mentha-1,8-diene	Not available
	Carbon dioxide	Not available
	Propan-1-ol	Not available
Toxicity notes:	Not available	
12.2 Persistence and degradability:	Not available	
12.3 Bioaccumulative potential:	Not available	
12.4 Mobility in soil:	Do not allow product to reach ground water, water course or sewage system, even in small quantities. Dangerous to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms	
12.5 Persistence, bioaccumulation and toxicity for substance(s):	This product is not, or does not contain, a substance that is a PBT or a vPvB.	
12.6 Other adverse effects:	No adverse effects are expected.	

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 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.
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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.

	Proper Shipping Name:	UN Number:	Hazard Class:	Packing Group:	Remarks:
U.S. D.O.T.	Aerosols, non-flammable	UN1950	2.2	None	None
ADR/RID	Aerosols, environmentally hazardous	UN1950	2.2	None	Tunnel Restriction E
IMDG	Aerosols (Dipentene), Marine Pollutant	UN1950	2.2	None	None
IATA	Aerosols, non-flammable	UN1950	2.2	None	None

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture****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.

California Proposition 65 Status This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: n-Propyl bromide
California Proposition 65 Listed Components n-Propyl bromide

International Regulations:

European Union: This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. A Chemical Safety Assessment has

not been carried out.

Canada	All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all the information required by CPR.
Japan MITI	Not available
Australia	Not available
Switzerland	Not available

SECTION 16. OTHER INFORMATION

Sections Revised: New SDS format

Revision Date: 6/1/2015

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 upon the criteria supplied by the developers of these rating systems, together with Pressure-Lube Inc.'s interpretation of the available data.

*** END OF SDS ***