

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****DRI LUB / 1703****MAY 2012****PAGE 1**

HEALTH	*1
FLAMMABILITY	4
PHYSICAL HAZARD	0
P.P.E.	E

Complies With USDL Safety and Health Regulations, (29 CFR 1910.1200)

**SECTION 1 – Chemical and Company Identification****PRODUCT TYPE:** Dry Lubricant and Release Agent**SECTION 2 – Composition on Ingredients**

CHEMICAL NAME	CAS #	PERCENT
Propane	74-98-6	20-30
n-Butane	106-97-8	20-30
Aliphatic Petroleum Solvent	64742-89-8	20-30
Acetone	67-64-1	10-15
Ethyl Alcohol	64-17-5	3-5
Non-hazardous and other components below reportable levels		2.5-10

**SECTION 3 – Hazards Information****Emergency overview:** EXTREMELY FLAMMABLE

**CONTENTS UNDER PRESSURE:** Aerosol. Will be easily ignited by heat, spark or flames. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

**Routes of exposure:** Inhalation. Skin contact. Ingestion.**POTENTIAL HEALTH EFFECTS:****EYES:** Health injuries are not known or expected under normal use.**SKIN:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).**INHALATION:** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.**INGESTION:** Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.**TARGET ORGANS:** Blood. Central nervous system. Liver. Lungs.**CHRONIC EFFECTS:** Unconsciousness. Liver injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Can cause adverse reproductive effects.**SIGNS AND SYMPTOMS:** Discomfort in the chest. Narcosis. Cyanosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation. Birth defects. Sterility.**SECTION 4 – First Aid Measures****EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.**SKIN:** Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.**INHALATION:** Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.**INGESTION:** If material is ingested, immediately contact a poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.**SECTION 5 – Fire Fighting Measures****FLAMMABLE PROPERTIES:** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.**EXTINGUISHING MEDIA:****Suitable extinguishing media:** Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Do not use water jet.**PROTECTION OF FIREFIGHTERS:****Specific hazards arising from the chemical:** Fire may produce irritating, corrosive and/or toxic gases.**Protective equipment and precautions of firefighters:** In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.**SECTION 6 – Accidental Release Measures****METHODS FOR CONTAINMENT:** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.**METHODS FOR CLEANING UP:** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. Avoid dust formation.**SECTION 7 – Handling and Storage****HANDLING:** Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.**STORAGE:** Level 3 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

**SECTION 8 – Exposure Controls/Personal Protection****EXPOSURE LIMITS:**

ACGIH Components	CAS#	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
Acetone	67-64-1	500 ppm	750 ppm	Not established
Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established

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**OSHA**

Components	CAS#	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
Acetone	67-64-1	1000 ppm	Not established	Not established
Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established

**PERSONAL PROTECTIVE EQUIPMENT:****Eye / face protection:** Wear chemical goggles.**Skin protection:** Wear appropriate chemical resistant clothing. Protective gloves.**Respiratory protection:** Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.**SECTION 9 – Physical and Chemical Properties**

<b>APPEARANCE:</b> Compressed liquefied gas	<b>BOILING POINT:</b> 55.4°F (12.8°C) estimated
<b>COLOR:</b> Tan	<b>FLAMMABILITY (HOC):</b> 37.9466 kJ/g estimated
<b>FLASHBACK:</b> Yes	<b>FLASH POINT:</b> -156°F (-104.4 °C)
<b>SPECIFIC GRAVITY:</b> 0.6265 estimated	Propellant
<b>FORM:</b> Aerosol	<b>ODOR:</b> None known
<b>pH:</b> Not applicable	<b>PHYSICAL STATE:</b> Liquid
<b>PRESSURE:</b> 55-70 psig@70°F	<b>SOLUBILITY:</b> Partially

**SECTION 10 – Stability and Reactivity****CHEMICAL STABILITY:** Risk of ignition.**CONDITIONS TO AVOID:** Heat, flames and sparks.**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.**SECTION 11 – Toxicological Information****ACUTE EFFECTS:** Acute LD50: 12472 mg/kg estimated, Rat, Dermal  
Acute LC50: 340 mg/l/4h estimated, Rat, Inhalation**SENSITIZATION:** Not expected to be hazardous by OSHA criteria.**REPRODUCTIVE EFFECTS:** Hazardous by OSHA criteria. Possible reproductive hazard. Can cause adverse reproductive effects - such as birth defects, miscarriages, and infertility.**TERATOGENICITY:** Not expected to be hazardous by OSHA criteria.**SECTION 12 – Ecological Information****Ecotoxicity:** Components of this product have been identified as having potential environmental concerns.

LC50 34135 mg/L estimated, Fish, 96.00 Hours,  
EC50 63058 mg/L estimated, Daphnia, 48.00 Hours,  
IC50 21315 mg/L estimated, Algae, 72.00 Hours

**SECTION 13 – Disposal Consideration****WASTE CODES:** D001: Waste Flammable material with a flash point <140 F  
D018: Waste Benzene**DISPOSAL INSTRUCTIONS:** Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.**SECTION 14 – Transport Information****Department of Transportation (DOT) Requirements:****Basic shipping requirements:**

Proper shipping name: Consumer commodity

Hazard class: ORM-D

Subsidiary hazard class: None

Additional information:

Packaging exceptions: 156, 306

Packaging non bulk: 156, 306

Packaging bulk: None

**IMDG:**

Basic shipping requirements:

Proper shipping name: AEROSOLS

Hazard class: 2.1

UN number: 1950

Additional information:

Packaging exceptions: LTD QTY

Item: 5F

Labels required: None

Transport Category: 2

**IATA:**

Basic shipping requirements:

Proper shipping name: Aerosols, flammable

Hazard class: 2.1

UN number: 1950

Additional information:

Packaging exceptions: LTD QTY

Labels required: None

**SECTION 15 – Regulatory Information****US FEDERAL REGULATIONS:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Occupational Safety and Health Administration (OSHA):**

29 CFR 1910.1200 hazardous chemical: YES

**CERCLA (Superfund) reportable quantity:**

Acetone: 5000.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

**Hazard categories**

- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No

**Section 302 extremely hazardous substance:** No**Section 311 hazardous chemical:** Yes

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**Inventory status:**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

**WARNING: This product contains a chemical known to the State of California to cause cancer. WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.**

**U.S. - Pennsylvania - RTK (Right to Know) List**

Propane	74-98-6	Present
n-Butane	106-97-8	Present
Aliphatic Petroleum Solvent	64742-89-8	Present
Acetone	67-64-1	Environmental Hazard
Ethyl Alcohol	64-17-5	Present

**SECTION 16 – Other Information**

**Further information:** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings:** Health: 1\*; Flammability: 4 Physical hazard: 0

**Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated:** This document has undergone significant changes and should be reviewed in its entirety.

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