

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**QUICK LUBE / 1789**

December 2013

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HEALTH	1
FIRE	3
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

SECTION 1 – Chemical and Company Identification**PRODUCT TYPE:** Aerosol**SECTION 2 – Composition on Ingredients**

CHEMICAL NAME	CAS #	% WT
Isobutane	75-28-5	5-10
Propane	74-98-6	3-7

SECTION 3 – Hazards Information**EMERGENCY OVERVIEW****HMIS:** See Section 15**DANGER**

EXTREMELY FLAMMABLE. HARMFUL BY INHALATION. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MY EXPLODE IF HEATED.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.**EYES:** May cause eye irritation.**SKIN:** May cause skin irritation.**INHALATION:** Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis.**INGESTION:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.**CHRONIC EFFECTS:** Prolonged or repeated contact may dry skin and cause irritation.**SIGNS AND SYMPTOMS:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapors may cause drowsiness and dizziness.**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Asthma, Allergies**TARGET ORGANS:** Skin, eyes, gastrointestinal tract, respiratory system

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

POTENTIAL ENVIRONMENTAL EFFECTS: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.**SECTION 4 – First Aid Measures****EYES:** In cases of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.**SKIN:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.**INGESTION:** If swallowed do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.**GENERAL ADVICE:** In case of accident or if you feel unwell seek medical advice immediately (show the label or MSDS where possible).**NOTE TO****PHYSICIANS:** Symptoms may not appear immediately.**SECTION 5 – Fire Fighting Measures****FLAMMABILITY:** Flammable by WHIS/ OSHA criteria.**Means of Extinction:****SUITABLE EXTINGUISHING MEDIA:** Powder, foam, carbon dioxide (CO2).**UNSUITABLE EXTINGUISHING MEDIA:** Water**PRODUCTS OF COMBUSTION:** Oxides of carbon**EXPLOSION DATA:****SENSITIVITY IF MECHANICAL IMPACT:** NA**SENSITIVITY TO STATIC DISCHARGE:** NA**PROTECTION OF FIREFIGHTERS:**

Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 – Accidental Release Measures**PERSONAL PRECAUTIONS:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.**ENVIRONMENTAL PRECAUTIONS:** Many gases are heavier than air and will spread ground and collect in low or confined areas (sewers, basements tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.**METHODS FOR CONTAINMENT:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).**METHODS FOR CLEANING UP:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.**OTHER INFORMATION:** Not available.**SECTION 7 – Handling and Storage****HANDLING:**

Keep away from sources of ignition. – No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking or smoking.

STORAGE:

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49C°/120°F.

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

Ingredient Components	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Isobutane	Not available.	Not available.
Propane	1000 ppm	1000 ppm

ENGINEERING CONTROLS: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.**PERSONAL PROTECTIVE EQUIPMENT:****HMIS:** See Section 15

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EYE / FACE PROTECTION: Wear eye/face protection.
HAND PROTECTION: Wear suitable gloves.
SKIN AND BODY PROTECTION: Wear suitable protective clothing.
RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.
GENERAL HYGIENE CONSIDERATIONS: Handle according to established industrial hygiene and safety practices.

INHALATION: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapors may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

TARGET ORGANS: Not available
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause headache, dizziness or nausea

SECTION 9 – Physical and Chemical Properties

APPEARANCE:	Hazy	FREEZING POINT:	NA
COLOR:	White	BOILING POINT:	NA
ODOR:	Odorless	FLASH POINT:	NA
ODOR THRESHOLD:	NA	EVAPORATION RATE:	NA
PHYSICAL STATE:	Gas/Pressurized Liquid	LOWER FLAMMABILITY LIMIT:	NA
PH:	NA	UPPER FLAMMABILITY LIMIT:	NA
VISCOSITY:	NA	VAPOR PRESSURE:	NA
VAPOR DENSITY:	NA	SPECIFIC GRAVITY:	0.860 (Concentrate Only)
SOLUBILITY IN WATER:	Insoluble	AUTO-IGNITION TEMPERATURE:	NA
COEFFICIENT OF WATER/OIL DISTRIBUTION:	NA	PERCENT VOLATILE,	NA
VOC CONTENT,	15.0% (US	WT. %:	
WT. %:	federal/CARB/OTC/LADCO)		

CARCINOGENICITY:

Not hazardous by WHMIS/OSHA criteria

Ingredient**Chemical Listed as Carcinogen or Potential Carcinogen ***

Isobutane	Not listed.
Propane	Not listed.

* See Section 15 for more information.

MUTAGENICITY:

Not hazardous by WHMIS/OSHA criteria.

REPRODUCTIVE EFFECTS:

Not hazardous by WHMIS/OSHA criteria.

DEVELOPMENTAL EFFECTS:**TERATOGENICITY:**

Not hazardous by WHMIS/OSHA criteria.

EMBRYOTOXICITY:

Not hazardous by WHMIS/OSHA criteria.

RESPIRATORY SENSITIZATION:

Not hazardous by WHMIS/OSHA criteria.

SKIN SENSITIZATION:

Not hazardous by WHMIS/OSHA criteria.

TOXICOLOGICALLY SYNERGISTIC MATERIALS:

Not available.

SECTION 12 – Ecological Information

ECOTOXICITY: May cause long-term adverse effects in the aquatic environment

PERSISTENCE / DEGRADABILITY: Not available.**BIOACCUMULATION / ACCUMULATION:** Not available.**MOBILITY IN ENVIRONMENT:** Not available.**SECTION 13 – Disposal Consideration**

DISPOSAL INSTRUCTIONS: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

SECTION 14 – Transport Information**DOT CLASSIFICATION:** ORM-D**TDG CLASSIFICATION:** Limited Quantity**SECTION 15 – Regulatory Information****FEDERAL REGULATIONS****CANADIAN:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US:

MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA TITLE III**Ingredient****Section 302 (EHS) TPQ****Section 304****CERCLA****Section****SECTION 10 – STABILITY AND REACTIVITY**

STABILITY: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of normal use.

CONDITIONS OF REACTIVITY: Heat. Incompatible materials.

INCOMPATIBLE MATERIALS: Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCT: Oxides of carbon.

SECTION 11 – Toxicological Information**EFFECTS OF ACUTE EXPOSURE****COMPONENT ANALYSIS**

Ingredient	LD ₅₀ (oral)	LC ₅₀
Isobutane	NA	NA
Propane	NA	NA

EYE: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

SKIN: May cause skin irritation. Handling can cause dry skin.

INGESTION: normal route of exposure. Harmful: may cause lung damage if swallowed.

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			Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)		
	(lbs.)	EHS RQ (lbs.)	RQ (lbs.)	313	
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.	4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
Propane	Not listed.	Not listed.	Not listed.	Not listed.	NTP (N) National Toxicology Program. 1 - Known to be carcinogens. 2 - Reasonably anticipated to be carcinogens.

STATE REGULATIONS**CALIFORNIA PROPOSITION 65:**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

GLOBAL INVENTORIES

Ingredient	Canada	USA
Isobutane	DSL/NDL	TSCA
Propane	Not listed.	Not listed.
	Not listed.	Not listed.

SECTION 16 – Other Information**Disclaimer:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

HMIS - HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

Health - 1 Flammability - 3 Physical Hazard - 0 PPE - B

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

Health - 1 Fire - 3 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS CLASSIFICATION(S):

Class A - Compressed Gas

Class B5 - Flammable Aerosol

WHMIS Hazard Symbols:**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:****OSHA (O)**

Occupational Safety and Health Administration.

ACGIH (G)

American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I)

International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

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