

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**TOUGH LUBE/ 2769**

July 2014

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

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

SECTION 1 – Identification**PRODUCT NAME:** Tough Lube**SECTION 2 – Composition and Information on Ingredients**

INGREDIENTS	CAS #	%WT
Highly Refined Base Oil	Mixture	>75
Proprietary Additives	Mixture	<25

The base oil for this product may be a mixture of the following components:

64741-88-4,64742-01-4,64742-65-0,64742-47-8,8042-47-5,64742-46-7,64742-52-5,64742-54-7,72623-84-8,
 72623-85-9,72623-87-1,178609-63-9,178603-64-0,178603-65-1,178603-66-2,68037-01-4,151006-63-2

SECTION 3 – Hazards Identification**ROUTES OF ENTRY:** Skin Contact, Eye Contact, Inhalation, Ingestion**EFFECTS of ACUTE EXPOSURE:****EYES:** Liquid contact may cause pain along with moderate eye irritation**SKIN:** Prolonged or repeated exposure may cause skin irritation.**INGESTION:** Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis.**INHALATION:** Prolonged or repeated overexposure may cause respiratory irritation.**OTHER HEALTH HAZARD DATE:****EFFECTS OF CHRONIC EXPOSURE:** Not available**MEDICAL CONDITION AGGRAVATED:** May aggravate personnel with pre-existing disorders associated with any of the Target Organs.**PRIMARY HAZARDS:** Not available**CARCINOGEN DATA:** This product is not known to contain any ingredients at concentrations at, or above 0.1% which are considered carcinogenic by OSHA, IARC, NTP, NIOSH, or ACGIH.**TARGET ORGANS:** Not available**SECTION 4 – First Aid Measures****INGESTION:** Seek medical attention if discomfort occurs. Do not induce vomiting.**SKIN:** Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.**EYE:** Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.**NOTE TO PHYSICIAN:** No Data**SECTION 5 – Fire Fighting Measures****CONDITIONS OF FLAMMABILITY:** Heat, sparks, flame, red hot metal
SUITABLE MEANS OF EXTINCTION: Water, CO2, dry chemical, or universal aqueous film forming foam.**UNSUITABLE EXTINGUISHING MEDIA:** Not available**FLASH POINT AND METHOD OF DETERMINATION:** 455 F ASTM D92 (Cleveland Open cup) FLAMMABLE
LIMITS: Lower (LEL): No data **Upper (UEL):** No data**AUTOIGNITION TEMPERATURE:** Not Available**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of Carbon (CO, CO2), smoke, and vapors as products of incomplete combustion.**EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT:** Not available**EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE:** Not available**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool fire exposed containers as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus**PROCEDURES:****SPECIAL FIRE AND EXPLOSION HAZARDS:** Not available**SECTION 6 – Accidental Release Measures****NOTIFICATION PROCEDURES:**

Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:For land spills shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. For water spills confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.**ENVIRONMENTAL PRECAUTIONS:**

Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil or vegetation.

SECTION 7 – Handling and Storage**HANDLING:**

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.

STORAGE: Keep contains closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame.**EMPTY CONTAINER WARNING:**

Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to drum reconitioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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SECTION 8 – Exposure Controls/Personal Protection**EXPOSURE LIMIT VALUES:**

When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist) – ACGIH Treshold Limit Value (TLV), 10 mg/m3 (as oil mist) – OSHA Permissible Exposure Limit (PEL).

ENGINEERING AND EXPOSURE CONTROLS:

General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

RESPIRATORY PROTECTION:

When mists are generated, and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

SKIN AND HAND PROTECTION:

For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

EYE PROTECTION:

Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

OTHER PROTECTIVE EQUIPMENT:

Safety showers and eye-wash stations should be available in the workplace

HYGIENE MEASURES: Avoid breathing vapors and contact with the skin and eyes. Keep out the reach of children. Wash hands after use.

SECTION 9 – Physical and Chemical Properties

Flash Point (COC):..... >455F

MELTING/FREEZING POINT:..... Not available

SPECIFIC GRAVITY (H₂O=1):..... 0.870g/cc

WEIGHT:..... 7.8 lbs/gal

VAPOR PRESSURE:..... <1 mm Hg

pH:..... Not available

VAPOR DENSITY:..... Not available

EVAPORATION RATE:..... Not available

PHYSICAL STATE:..... Semi Solid

WATER SOLUBILITY:..... Insoluble

PERCENT VOLATILE:..... 0% Wt (0%Vol)max

VOC CONTENT:..... 0.0 lbs/gal (0.0 g/L)

PERCENT VOC:..... 0% Wt (0% vol) Max

HAP CONTENT:..... 0.0 lbs/gal (0.0 g/L)

VISCOSITY:..... >220 SSU

MIR VALU..... 0.0

ODOR THRESHOLD:..... Not available

COEFF. OF WATER/OIL DIST:..... Not available

APPEARANCE..... Black

ODOR:..... Slight Petroleum

SECTION 10 – Stability and Reactivity

STABILITY: Stable

CONDITIONS OF INSTABILITY: Not available

HAZARDOUS POLYMERIZATION: Not expected to occur

MATERIAL INCOMPATIBILITY: Strong oxidizers

CONDITIONS OF REACTIVITY: Extreme heat and high energy sources of ignition

DECOMPOSITION PRODUCTS: At elevated temperatures oxides of carbon can be produced.

SECTION 11 – Toxicological Information

CARCINOGENICITY: The petroleum base oil contained in this product has been highly refined by a variety of processes including hydrotreating and dewaxing to remove aromatics and improve performance characteristics. None of these oils used are listed as a carcinogen by NTP, IARC or OSHA

SECTION 12 – Ecological Information**ECOTOXICITY:**

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Base Oil	>10 g/l/96 hr	Not available	Not available	Not available

MOBILITY: When released into the environment, absorption to sediment and soil will be the predominant behavior.

PERSISTANCE: Not available

DEGRADIBILITY: This product is expected to be inherently biodegradable.

BIOACCUMULATION: Unlikely due to the very low water solubility of the product.

OTHER ECOLOGIC DATA: Do not allow to enter waters, waste water, or soil.

EFFECT ON OZONE LAYER: This product does not contain any ozone depleting ingredients.

SECTION 13 – Disposal Consideration**WASTE MANAGEMENT INFORMATION:**

Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and Regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

SECTION 14 – Transport Information**NON-REGULATED MATERIAL: ALL MODES****NMFC DESCRIPTION (United States)**

ITEM DESCRIPTION:.....Compounds, Lubricating

ITEM NUMBER:.....50303

CLASS:.....55-65

SECTION 15 – Regulatory Information

UNITED STATES-FEDERAL:

INGREDIENT	CAS #	TSCA	RCRA	CERCLA	SARA 313	SARA 311/312			
UNITED STATES-STATES:									
INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA

UNITED STATES-STATES:

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA	
CANADA:										
INGREDIENT	A	B	D1B	D2A	D2B	E	DSL	NDSL	NPRI	CWC

CANADA:

INGREDIENT	A	B	D1B	D2A	D2B	E	DSL	NDSL	NPRI	CWC
WHMIS CLASSIFICATION:	Not regulated									

WHMIS CLASSIFICATION: Not regulated

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

EUROPEAN UNION:

INGREDIENT EINECS SYMBOL RISK PHRASES SAFETY PHRASES

RoHS Compliance: This product is RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

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SECTION 16 – Other Information

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