



# Safety Data Sheet

## Section 1 – Identification of the Mixture and of the Company

### Product Identification

#### Primary Identifier(s) Used on the Label

Berryman *PROFESSIONAL TOTAL LUBE*

#### Product Synonym(s)

blend "TL-25"

#### Product Number(s)

0612

### Relevant Identified Uses and Uses Advised Against

#### Recommended Uses

multipurpose, petroleum-based aerosol lubricant

#### Uses Advised Against

not for use in some applications

### Manufacturer/Supplier Details

Berryman Products, Inc.

3800 E Randol Mill Rd

Arlington, TX 76011

(800) 433-1704 (USA/Canada)

(817) 640-2376 (international)

www.BerrymanProducts.com

### Emergency 24-Hour Telephone Number(s) – InfoTrac, Inc.

(800) 535-5053 (USA/Canada)

(352) 323-3500 (international)

## Section 2 – Hazards Identification

### Classification of the Substance or Mixture (29 CFR 1910.1200)

#### Physical Hazards

Flammable Aerosol – Category 1

Gases Under Pressure – Compressed Gas

#### Health Hazards

Eye Irritant – Category 2B

Specific Target Organ Toxicity - Single Exposure – Category 3 (respiratory tract irritant and narcotic effects)

Aspiration Hazard – Category 1

Environmental Hazard - Chronic – Category 1

### Allocation of Label Elements

#### Chemical Identity

Berryman *PROFESSIONAL TOTAL LUBE*

#### Pictograms



#### Signal Word

DANGER

**Hazard Statements**

H222 – Extremely flammable aerosol.  
 H280 – Contains gas under pressure; may explode if heated.  
 H304 – May be fatal if swallowed and enters airways.  
 H320 – Causes eye irritation.  
 H321 – Specific treatment (see supplemental first aid instructions this label/document).  
 H335 – May cause respiratory irritation.  
 H336 – May cause drowsiness or dizziness.  
 H410 – Very toxic to aquatic life with long-lasting effects.

**Prevention Precautionary Statements**

P101 – Keep out of reach of children.  
 P102 – Read label before use.  
 P210 – Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
 P211 – Do not spray on an open flame or other ignition source.  
 P251 – Pressurized container—do not pierce or burn, even after use.  
 P261 – Avoid breathing fumes, gas, mist, vapor, or spray.  
 P264 – Wash thoroughly with soap and water after handling.  
 P271 – Use only outdoors or in a well-ventilated area.  
 P273 – Avoid release to the environment.

**Response Precautionary Statements**

P321 – Specific treatment available in this document in “Section 4 – First Aid Measures.”  
 P331 – Do NOT induce vomiting.  
 P391 – Collect spillage.  
 P301/P310 – IF SWALLOWED: Immediately call POISON CONTROL CENTER, hospital emergency room, or doctor.  
 P304/P340/312 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CONTROL CENTER, hospital emergency room, or doctor if you feel unwell.  
 P305/P351/P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P337/P313 – If eye irritation persists, get medical advice/attention.

**Storage Precautionary Statements**

P405 – Store locked-up.  
 P410/P412 – Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).

**Disposal Precautionary Statements**

P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations, as applicable.

**Hazards Not Otherwise Classified**

none known

**Ingredients of unknown acute toxicity**

3.8% of this mixture consists of ingredient(s) of unknown acute toxicity.

**Section 3 – Composition/Information on Ingredients**

<u>Component</u>	<u>CAS RN</u>	<u>Weight</u>
Petroleum Oil	64742-52-5	30-40%
Petroleum Distillates	64742-88-7	50-60%
Carbon Dioxide	124-38-9	<5%

**Section 4 – First Aid Measures****Description of First Aid Measures****Ingestion**

Immediately call poison control center, hospital emergency room, or doctor. Do NOT induce vomiting. Drink 1-2 glasses of milk or water.

**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Skin Contact**

Immediately take off all contaminated clothing. Rinse skin with soap and water or shower.

**Inhalation**

Remove person to fresh air and keep comfortable. If experiencing respiratory symptoms or if breathing is difficult, administer oxygen and call poison control center, hospital emergency room, or doctor.

**Most Important Symptoms and Effects****Acute/Immediate**

respiratory tract irritation; headache and lightheadedness; narcotic effects, including dizziness, drowsiness, and loss of coordination; nausea and vomiting

**Delayed**

drying, cracking, or defatting of the skin

**Indications of Need for Immediate Medical Attention and Specific Treatment Required****Indications of Need for Immediate Medical Attention**

In the event of shortness of breath, difficulty breathing, or spontaneous vomiting, seek immediate medical attention.

**Specific Treatment and Notes to Physician**

If performing lavage, endotracheal and/or esophageal control is recommended. If spontaneous vomiting occurs, keep head below hips to avoid aspiration.

**Section 5 – Firefighting Measures****Fire Extinguishing Media****Support for Combustion**

Product supports combustion.

**Suitable Extinguishing Media**

water fog, dry chemical, alcohol-resistant foam, or carbon dioxide

**Unsuitable Extinguishing Media**

water jet/spray (may cause product to float to surface and reignite)

**Special Hazards/Considerations****Combustion Products**

Combustion in the presence of air may yield hydrocarbons; organic oxygenates and sulfides; mercaptans; and oxides of carbon and sulfur.

**Special Protective Equipment and Precautions for Firefighters****Special Protective Equipment**

Firefighters should employ SCBA and full protective gear, including shield, as product may vent, rupture, or explode violently at elevated temperatures.

**Precautions and Procedures**

Contains gas under pressure; may explode if heated. Vapors heavier than air. Remove product from area if safe to do so. Use water spray to cool nearby containers.

**Section 6 – Accidental Release Measures****Personal and Environmental Precautions****Personal Precautions**

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing mist, vapor, or spray. Wash thoroughly with soap and water after handling. Use only outdoors or in a well-ventilated area.

**Environmental Precautions**

Avoid release to the environment. Prevent contamination of ground water.

**Materials and Methods for Containment****Small Spills**

Use socks/absorbent mini-booms or other inert barrier if necessary to contain small spills.

**Large Spills**

Utilize large socks/absorbent booms or other inert barrier to form dam/dike in order to contain spill and prevent further loss.

**Materials and Methods for Cleanup****Small Spills**

Remove source from area if safe to do so. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb spilled material. Other useful supplies may include a mop and mop bucket. Remediate affected area as necessary.

**Large Spills**

Keep upwind from spill. Remove source from area if safe to do so. Use a mop and mop bucket or explosion-proof transfer equipment to recover spilled material. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb residual material. Remediate affected area as necessary.

## Section 7 – Handling and Storage

### Precautions for Safe Handling

#### Personal Precautions

Avoid breathing mist, vapor, or spray. Use only outdoors or in a well-ventilated area. Wash thoroughly with soap and water after handling.

#### Environmental Precautions

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid release to the environment.

### Conditions and Considerations for Safe Storage

Contains gas under pressure; may explode if heated. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C). Store locked-up. Store according to NFPA Aerosol Level 3 recommendations.

## Section 8 – Exposure Controls/Personal Protection

<u>Component</u>	<u>CAS RN</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Oil (as oil mist)	64742-52-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Petroleum Distillates (as Stoddard Solvent)	64742-88-7	500 ppm	500 ppm
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm

### Exposure Controls

#### Appropriate Engineering Controls

If practical, use outside with adequate ventilation to minimize exposure.

#### PPE Overview

##### **Hand Protection**

Use of chemical-resistant gloves (EVAL, neoprene, nitrile/Buna-N, PVA, PVC, or Viton) is recommended.

##### **Eye Protection**

Use of safety glasses with wrap-around lens or goggles is recommended.

##### **Respiratory Protection**

If necessary, use respiratory protection sufficient to reduce exposure to permissible limits.

##### **Additional Protection**

For industrial settings, access to a chemical safety shower with eye wash station is strongly recommended.

## Section 9 – Physical and Chemical Properties

### Information on Basic Physical and Chemical Properties

#### Physical State

liquid

#### Appearance

clear, yellow to light amber

#### Odor

mild, characteristic

#### Odor Threshold

25 ppm

#### pH

not relevant

#### Freezing Point

<-104°F

#### Boiling Range

300 - 1100°F

#### Flash Point and Method

105 - 110°F by closed-cup tester

#### Explosion Limits in Air

0.7 - 6.9% by volume

#### Evaporation Rate

<0.1 (n-Butyl Acetate=1.0)

#### Vapor Pressure, as supplied

80-120 PSI (typical)

#### Vapor Density

>1.0

#### Specific Gravity

0.845 at 68°F

**Density**

7.04 lb/gal at 68°F

**Water Solubility**

insoluble

**n-Octanol/Water Partition Coefficient (log P<sub>ow</sub>)**

not available

**Viscosity**

4-6 cSt at 68°F

**Volatility**

58% by weight

**Auto-ignition Temperature**

540°F (composite)

**Decomposition Temperature**

unknown

**Other Information**

**VOC Content**

25% by weight (consumer products)

**VOC Composite Partial Pressure, PPC**

0.3 mm of Hg at 68°F

**Section 10 – Stability and Reactivity**

**Chemical Stability under Normal Conditions of Use**

**Chemical Stability**

Stable under normal conditions of use.

**Conditions Affording Instability**

none known

**Reactivity**

not expected

**Possibility of Hazardous Reactions**

none known

**Conditions to Avoid**

Avoid direct sunlight and excessive temperatures. Do not puncture, incinerate, or crush. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. If practical, avoid temperatures exceeding flash point.

**Incompatible Materials**

strong acids; oxidizers; reducing agents

**Hazardous Decomposition Products**

none known

**Section 11 – Toxicological Information**

**Likely Routes of Exposure**

ingestion, skin contact, eye contact, inhalation

**Symptoms Related to Physical, Chemical, and Toxicological Characteristics**

**Ingestion**

**Large Quantity**

gastrointestinal disturbances, including upset stomach, cramping, nausea, vomiting, and diarrhea

**Small Quantity/Incidental Contact**

gastrointestinal disturbances, including upset stomach and cramping

**Skin Contact**

mild skin irritation

**Eye Contact**

blurred vision, slight eye irritation

**Inhalation**

respiratory tract irritation; headache, lightheadedness; narcotic effects, including dizziness, drowsiness, and loss of coordination; nausea and vomiting

**Immediate, Delayed, and Chronic Effects*****SHORT-TERM EXPOSURE*****Potential Immediate Effects****Ingestion**

gastrointestinal disturbances; nausea and vomiting

**Skin Contact**

drying of the skin

**Eye Contact**

blurred vision

**Inhalation**

shortness of breath or difficulty breathing, headache, dizziness, nausea and vomiting, drowsiness, fatigue, death

**Potential Delayed Effects****Ingestion**

aspiration pneumonitis, cyanosis, death

**Skin Contact**

defatting of the skin, drying and cracking of the skin, aggravation of pre-existing skin conditions

**Eye Contact**

none known

**Inhalation**

fatigue

***LONG-TERM EXPOSURE*****Potential Immediate Effects**

none known

**Potential Delayed Effects**

none known

**Potential Chronic Health Effects****Carcinogenicity****International Agency for Research on Cancer (IARC) Monographs**

all components either “Group 3 – Not Classifiable as to Human Carcinogenicity” or not listed

**National Toxicology Program (NTP) Report on Carcinogens**

not listed

**Occupational Safety & Health Administration (OSHA)**

not listed

**Mutagenicity / Genetic Toxicity**

not suspected of being a human mutagen / genetic toxicant

**Teratogenicity**

not suspected of being a human teratogen

**Developmental Effects**

not suspected of being a developmental toxicant

**Fertility Effects**

not suspected of being a reproductive/fertility toxicant

**Effects on Lactation**

not suspected of affecting lactation

***SPECIFIC TARGET ORGAN TOXICITY (STOT)*****Single Exposure**

central nervous system (narcotic effects), respiratory tract (irritation)

**Repeated Exposure**

none known

**Numerical Measures of Acute Toxicity****Oral (Rat)**LD<sub>50</sub>: >5000 mg/kg (derived)**Dermal (Rabbit)**LD<sub>50</sub>: >2000 mg/kg (derived)**Inhalation (Rat)**LC<sub>50</sub>: 36 mg/L (derived)**Additional Toxicological Information****Skin Irritation/Corrosion (Rabbit)**

slight skin irritant

**Serious Eye Damage/Irritation (Rabbit)**

slight eye irritant

**Respiratory Sensitization**

does not cause respiratory sensitization

**Skin Sensitization**

does not cause skin sensitization

**Aspiration Hazard**

known aspiration hazard

## **Section 12 – Ecological Information**

### **General Ecological Assessment/Overview**

Very toxic to aquatic life with long-lasting effects.

### **Aquatic Toxicity**

**Vertebrates (Fish)**

**Acute Toxicity**

LC<sub>50</sub>: 31 mg/L (derived)

**Chronic Toxicity**

NOEC: not available

**Invertebrates (Water Flea)**

**Acute Toxicity**

LC<sub>50</sub>: 5.9 mg/L (derived)

**Chronic Toxicity**

NOEC: not available

**Aquatic Plants (Freshwater Algae)**

**Acute Toxicity**

EC<sub>50</sub>: 8.3 mg/L (derived)

**Chronic Toxicity**

NOEC: not available

### **Terrestrial Toxicity**

**Invertebrate (Earthworm)**

LC<sub>50</sub>: not available

### **Persistence and Degradability**

**Persistence**

no persistence data available

**Degradability**

non-rapidly degradable

### **Bioaccumulative Potential**

**Bioaccumulation Potential Assessment**

does not bioaccumulate

**Bioaccumulation Factor**

not available

### **Mobility in Soils**

**Mobility in Soils Assessment**

not mobile in soils

**Soil Organic Carbon/Water Partition Coefficient (log K<sub>oc</sub>)**

not available

### **Results of PBT and vPvB Assessment**

not a persistent, bioaccumulative, toxic chemical (PBT); not very persistent or very bioaccumulative (vPvB)

### **Other Adverse Effects**

none known

## **Section 13 – Disposal Considerations**

### **General Assessment/Overview**

Dispose of waste in accordance with all applicable regulations. Very toxic to aquatic life with long-lasting effects—do not pour into waterways.

### **RCRA Hazardous Waste Code(s) (40 CFR 261.20-33)**

Based on this material as-supplied, used or unwanted product may be subject to RCRA regulations and classified as D001 – ignitable waste

## Section 14 – Transportation Information

### Transportation by Ground – US Department of Transportation

#### Shipping Description

UN1950, Aerosols, 2.1

#### Exemption Eligibility

When shipped by ground, this product may be eligible for a “Limited Quantity” exception per §49 CFR 173.306.

### Transportation by Air – ICAO/IATA

#### Shipping Description

UN1950, Aerosols, Flammable, 2.1

#### Exemption Eligibility

When shipped by air, this product may be eligible for a “Limited Quantity” exception.

### Transportation by Water – IMO/IMDG

#### Shipping Description

UN1950, Aerosols, 2.1

#### Exemption Eligibility

When shipped by water, this product may be eligible for a “Limited Quantity” exception.

## Section 15 – Regulatory Information

### Safety, Health, and Environmental Regulations/Legislation

#### *UNITED STATES – SELECT FEDERAL REGULATIONS*

#### Environmental Protection Agency (EPA)

##### **Toxic Substances Control Act (TSCA) (15 USC 2601, et seq.)**

All chemicals known to be present in this product are either listed on the TSCA inventory or are not required to be.

##### **SARA Title III (42 USC 9601, et seq.)**

###### **Section 302 – Extremely Hazardous Substances (40 CFR 355)**

none

###### **Section 304 – Emergency Release Notification (40 CFR 302.4)**

none

###### **Section 311/312 – Hazard Categorization (40 CFR 370.40)**

acute toxicity, fire hazard, sudden release of pressure

###### **Section 313 – Toxic Chemicals (40 CFR 372.65)**

none

##### **Clean Air Act (42 USC 7401, et seq.)**

###### **Section 112 – Hazardous Air Pollutants**

none

###### **Section 183(e) – Commercial and Consumer Products – VOC Limit and Category (40 CFR 59 subpart C)**

not regulated

#### Occupational Safety & Health Administration (OSHA)

##### **Hazard Communication Standard**

This safety data sheet (SDS) is provided for compliance with applicable regulations of the Hazard Communication Standard of 2012 (HCS/HAZCOM 2012) found in §29 CFR 1910.1200. Federal law requires persons receiving this document to study it carefully, become aware of the hazards of this product, and notify all employees, visitors, agents, and contractors of the information contained herein.

#### Consumer Product Safety Commission

##### **Federal Hazardous Substances Act**

This product is regulated under the Federal Hazardous Substances Act, is subject to the labeling requirements of 16 CFR 1500, and must include at minimum the following cautionary statements: DANGER: Combustible. Harmful or fatal if swallowed. Eye and skin irritant. Contents under pressure. Keep out of the reach of children.

#### *UNITED STATES – SELECT REGIONAL CONSIDERATIONS*

##### Ozone Transport Commission (OTC) – Model Rule VOC Limit and Category

50% as “Multipurpose Lubricant” (complies)

##### Lake Michigan Air Directors Consortium (LADCO) – Model Rule VOC Limit and Category

50% as “Multipurpose Lubricant” (complies)



**UNITED STATES – SELECT STATE REGULATIONS****California**

Office of Environmental Health Hazard Assessment (OEHHA)

**Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65)**

This product is not subject to the labeling requirements of Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1986.

Air Resources Board (ARB/CARB)

**Regulation for Reducing Emissions from Consumer Products – VOC Limit and Category**

25% as “Multipurpose Lubricant” (does not comply)

**Massachusetts**

“Right-to-Know” Legislation – Substance List (105 CMR 670.000)

Carbon Dioxide

**New Jersey**

“Right-to-Know” Legislation – Hazardous Substance List (34:5A-1, et seq.)

Carbon Dioxide

**Pennsylvania**

“Right-to-Know” Legislation – Hazardous Substance List (Chapter 323)

Carbon Dioxide

**INTERNATIONAL – SELECT REGULATIONS****Canada**

Environment Canada – Domestic Substances List (DSL)

All chemicals known to be present in this product are either listed on the DSL or are not required to be.

**China**

Ministry of Environmental Protection – Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

All chemicals known to be present in this product are either listed on the IECSC or are not required to be.

**European Union**

European Chemical Agency – European Inventory of Existing Chemical Substances (EINECS)

All chemicals known to be present in this product are either listed on the EINECS or are not required to be.

**Chemical Safety Assessment**

has not been conducted on product, as-supplied

**Section 16 – Other Information****Hazardous Materials Information System (HMIS)**

Health	1		<b>Hazard Index</b>
Flammability	2		Least - 0
Reactivity	0		Slight - 1
Protective Equipment	B		Moderate - 2
			High - 3
			Extreme - 4

**Index of Abbreviations**

ACGIH – American Council of Governmental and Industrial Hygienists

CAS RN – Chemical Abstracts Service Registry Number

EC<sub>50</sub> – Median Effective Concentration

IATA – International Air Transport Association

ICAO – International Civil Aviation Organization

IMDG – International Maritime Dangerous Goods

IMO – International Maritime Organization

LC<sub>50</sub> – Median Lethal ConcentrationLD<sub>50</sub> – Median Lethal Dose

N/A – Not Applicable

NE – Not Established

NOEC – No Observable Exposure Concentration

PEL – Permissible Exposure Limit (as required by OSHA)

TLV – Threshold Limit Value (as recommended by ACGIH)

VOC – Volatile Organic Compound

**Relevant Dates and Applicability****Date of Issuance**

July 6, 2017

**Date of Previous Revision**

May 30, 2015

**Primary Revision Change(s)**

N/A—initial SDS for blend “TL-25”

**Document Applicability**

This safety data sheet only applies to part number 0612 manufactured on or after June 23, 2017.

**Document Author**

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**Legal Disclaimer**

The information contained in this document is, to the best of Berryman Products, Inc.'s knowledge, complete and accurate but is not warranted. All materials may present unknown hazards and should be used with caution. It is the responsibility of the user to evaluate the information in a prudent manner and to use it in a manner consistent with its intended purpose. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.