



SAFETY DATA SHEET

Part No. See 1.1 (Liquid)

Gun Medic Lube

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Gun Medic Lube
Manufacturer Product Number : P7502CT, P7503CT & P7504CT
Supplier Product Numbers : GM4 - Pillow Pack - 0.0845 fl. oz, GM4W - 2 fl. oz/24 pk, GM4 - 2 fl. oz

1.2 Other Means of Identification

Other Identifiers : Not Available

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : Gun Lubricant
Restrictions on Use : None Identified

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name :		Bushnell Holdings Inc.

1.5 24 hr Emergency Phone Number

Emergency Number : Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency ONLY)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Liq. 2	H225	Physical Hazards	Flammable liquids Category 2
Eye Irrit. 2	H319	Health Hazards	Serious eye damage/eye irritation Category 2
Stot Se 1	H370	Health Hazards	Specific target organ toxicity (single exposure) Category 1
Aquatic Acute 3	H402	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	H412	Environmental Hazards	Hazardous to the aquatic environment - Chronic Hazard Category 3

2.2 Label Elements

Hazard Pictograms



GHS02



GHS07



GHS08

Signal Word

Danger

Hazard Statements

H225 : Highly flammable liquid and vapour
H319 : Causes serious eye irritation
H370 : Causes damage to organs
H402 : Harmful to aquatic life
H412 : Harmful to aquatic life with long lasting effects

Precautionary Statements

P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P233	: Keep container tightly closed.
P240	: Ground/Bond container and receiving equipment
P241	: Use explosion-proof electrical/ventilating/lighting equipment
P242	: Use only non-sparking tools.
P243	: Take precautionary measures against static discharge.
P260	: Do not breathe spray.
P264	: Wash hands thoroughly after handling.
P270	: Do not eat, drink or smoke when using this product.
P273	: Avoid release to the environment.
P280	: Wear protective gloves and eye protection.
P303+P361+P353	: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P307+P311	: If exposed: Call a poison center/doctor
P337+P313	: If eye irritation persists: Get medical advice/attention.
P370+P378	: In case of fire: Use water, CO ₂ , dry chemical, or universal aqueous film forming foam to extinguish.
P403+P235	: Store in a well-ventilated place. Keep cool.
P405	: Store locked up.
P501	: Dispose of contents/container to local regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

44.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

44.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

44.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substance / Mixture**

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
Ethanol	64-17-5	30 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Methanol	67-56-1	1 - 5	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 STOT SE 1, H370
Ethyl Acetate	141-78-6	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES**4.1 Description of First-Aid Measures**

General Measures	: If exposed or concerned: Get medical advice/attention.
Inhalation	: Remove person to fresh air and keep comfortable for breathing.
Skin Contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
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.

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Ingestion : Call a poison center or a doctor if you feel unwell.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Optical Nerve Damage.
Delayed Effects : No known delayed effects.
Immediate Effects : No known immediate effects.
Chronic Effects : Methyl alcohol may be fatal or cause blindness if swallowed.
Target Organs : Central Nervous System, Eyes, Gastrointestinal Tract, Respiratory System, Skin.

4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician : Treat symptomatically.
Specific Treatments/Antidotes : No Information Available.
Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media : Water jet.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
Specific Hazards During Firefighting : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.

5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
For Emergency Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

Environmental Precautions : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
Cleanup Procedures : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
Other Information : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.
Prohibited Materials : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

SECTION 7 - HANDLING AND STORAGE

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7.1 Precautions for Safe Handling

General Handling Precautions : *KEEP OUT OF THE REACH OF CHILDREN. When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.*

Hygiene Recommendations : *Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.*

7.2 Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements : *Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.*

Incompatibilities : *Segregate storage away from materials indicated in Section 10.*

NFPA 30B Classification : *This product is classified as a Level 3 Aerosol per NFPA 30B*

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Ethanol (64-17-5)

ACGIH	ACGIH Ceiling (mg/m ³)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	3300 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1900
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m ³)	1900 mg/m ³
California	California PEL (TWA) (ppm)	1000 ppm

Methanol (67-56-1)

ACGIH	ACGIH TWA (mg/m ³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	6000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
California	California PEL (TWA) (mg/m ³)	260 mg/m ³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (STEL) (mg/m ³)	325 mg/m ³
California	California PEL (STEL) (ppm)	250 ppm
California	California PEL (Ceiling) (ppm)	1000 ppm
Biological Exposure Index	Methanol in Urine, End of shift (B,Ns)	15 mg/l

Ethyl Acetate (141-78-6)

ACGIH	ACGIH TWA (mg/m ³)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
NIOSH	US IDLH (ppm)	2000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
California	California PEL (TWA) (mg/m ³)	1400 mg/m ³
California	California PEL (TWA) (ppm)	400 ppm

8.2 Exposure Controls

Engineering Measures : *Use only with adequate ventilation. 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 OEL from the table above.*

Personal Protective Equipment

Eye / Face 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.*

Hand Protection : *Chemical-resistant gloves, tested according to ASTM F903 - 17.*

Remarks : *Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.*

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Skin and Body 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.
Respiratory Protection	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.
Filter type	: Organic vapour type.
Compliance	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
Environmental Exposure Controls	: Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 64.70 °C	Melting / Freezing Point	> -114.15
Flash Point, Liquid	> -4.00 °C		
Explosive Limits	LEL: 1.00 UEL: 36.00 vol %	Autoignition Temperature, Liquid	320.00 °C
Flammability	Highly Flammable Liquid	Density	0.891 g/cm ³
Molecular Weight	Not Available	Weight	7.435 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Pressurized Product	Heat Of Combustion	Not Available
Appearance / Color	Amber	Water Solubility	Not Available
Odor	Characteristic	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	54.00 % wt	VOC Regulatory	480.92 g/L (4.01 lbs/gal)
Percent VOC	54.00 % wt	VOC Actual	481.14 g/L (4.02 lbs/gal)
Percent HAP	2.16 % wt	HAP Content	19.25 g/L (0.16 lbs/gal)
Global Warming Potential	0.06 GWP	Maximum Incremental Reactivity	0.7870 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability : This product is stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Alkali Metals, Strong Acids, Potassium t-Butoxide, Hydrogen Peroxide.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Formaldehyde.

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SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Ethanol (CAS: 64-17-5 / EC: 200-578-6)

LD50 Oral (Rat)	10740 mg/kg (MERCK)
LD50 Dermal (Rabbit)	> 15800 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	124.7 mg/l/4h (MERCK)
LC50 Inhalation (Rat)	32380 ppm/4h (ChemInfo)

Methanol (CAS: 67-56-1 / EC: 200-659-6)

LD50 Oral (Rat)	5850 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	15800 mg/kg (RTECS)
LC50 Inhalation (Rat)	131.25 mg/l/4h (ECHA)
LC50 Inhalation (Rat)	64000 ppm/4h (ChemInfo)

Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)

LD50 Oral (Rat)	5620 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 18000 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	10600 ppm/4h (ChemInfo)

Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.
Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure	: See Section 4.2
Skin Corrosion/Irritation	: Not classified
Eye Damage/Irritation	: Causes serious eye irritation.
Respiratory or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-Single Exposure	: Causes damage to organs.
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified
Carcinogen Data	: None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Ethanol (64-17-5)

LC50 Fish	14200 mg/l Fathead Minnow - 96h
EC50 Daphnia	9268 - 14221 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 94% / 28 days.
Biochemical Oxygen Demand	0.8 - 0.967 g O ₂ /g substance
Chemical Oxygen Demand	1.7 g O ₂ /g substance
Theoretical Oxygen Demand	2.1 g O ₂ /g substance
Log Pow	-0.35 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 24 °C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Methanol (67-56-1)

LC50 Fish	15400 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	> 10000 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	22000 mg/l Freshwater Algae - 96hr
Persistence and Degradability	Biodegradability 72% / 5 days.
Biochemical Oxygen Demand	0.6 - 1.12 g O ₂ /g substance
Chemical Oxygen Demand	1.42 g O ₂ /g substance
Theoretical Oxygen Demand	1.5 g O ₂ /g substance
BCF Fish	< 10 (BCF; 72 h; Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other)

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Methanol (67-56-1)	
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.44
Ethyl Acetate (141-78-6)	
LC50 Fish	450 - 600 mg/l Rainbow Trout - 96hr
LC50 Fish	220 - 250 mg/l Fathead Minnow - 96h
LC50 Other Aquatic Organisms	560 mg/l Water Flea - 48hr
EC50 Daphnia	2300 - 3090 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	4300 mg/l Green Algae - 24hr
Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	0.293 g O ₂ /g substance
Chemical Oxygen Demand	1.69 g O ₂ /g substance
Theoretical Oxygen Demand	1.82 g O ₂ /g substance
Biodegradation	100 % 28 Days
BCF Fish	30
Log Pow	0.73
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.778

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods	
Waste Disposal	: 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.
Waste Disposal Of Packaging	: Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.
Landfill Precautions	: Not Available.
Incineration Precautions	: Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	: UN1993	UN1993	UN1993
14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	: Flammable Liquid, NOS(Contains Ehtanol, Ethyl Acetate & Methanol), Limited Quantity	Flammable Liquid, NOS(Contains Ehtanol, Ethyl Acetate & Methanol), Limited Quantity	Flammable Liquid, NOS(Contains Ehtanol, Ethyl Acetate & Methanol), Limited Quantity
14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	: 3	3	3
Labels	: None	3 - Flammable liquid 	None
Limited Quantity	: Yes 	Yes 	Yes 
EmS Code	: Not Applicable	Not Applicable	F-E, S-E

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14.4 Packing Group DOT (USA) IATA (AIR) IMDG (OCEAN)

Packing Group : II None II

14.5 Environmental Hazards DOT (USA) IATA (AIR) IMDG (OCEAN)

Marine Pollutant : No No No

14.6 Special Precautions

Precautions : None Identified

14.7 Transport in Bulk

Remarks : Not applicable for product as supplied

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

SARA Section 313 : *Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.*

Methanol	CAS-No. 67-56-1	1 - 5%
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TSCA Section 12(b) : *This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D*

CERCLA Reportable Quantity : *Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity*

Methanol	CAS-No. 67-56-1	5000 lb
Ethyl Acetate	CAS-No. 141-78-6	5000 lb

TSCA Inventory (United States) : *All chemical substances in this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.*

15.2 State Regulations

California Proposition 65 : *This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.*

Methanol (67-56-1)	Developmental Toxicity	Yes	2.16 %
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State Right-to-Know Lists : *The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated*

Ethanol (64-17-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Methanol (67-56-1)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Ethyl Acetate (141-78-6)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Tricresyl Phosphate (1330-78-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Antimony Diamyldithiocarbamate (15890-25-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 - OTHER INFORMATION

Indication of changes :

Section	Changed item	Change
1	Revision date	Modified
1	Supersedes	Modified
1	Change to Supplier Details	Modified

Full Text of H-Statements :

H Code	H Phrase
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H370	Causes damage to organs