



# SAFETY DATA SHEET

Part No. P7661CT & P7662CT  
(Liquid)

Hoppe's Black Lubricant

## SECTION 1 - IDENTIFICATION

### 1.1 Product Identifier

Product Name : Hoppe's Black Lubricant  
Manufacturer Product Number : P7661CT & P7662CT  
Supplier Product Numbers : HBL4 - 4 oz. & HBL2 - 2 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 : Lubricating oil for firearms  
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
Skin Sens. 1	H317	Health Hazards	Skin sensitization, Category 1

### 2.2 Label Elements

#### Hazard Pictograms



GHS02



GHS07

#### Signal Word

**Danger**

#### Hazard Statements

H225 : Highly flammable liquid and vapour  
H317 : May cause an allergic skin reaction  
H319 : Causes serious eye irritation

#### Precautionary Statements

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

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- P243 : Take precautionary measures against static discharge.  
P261 : Avoid breathing fumes, spray.  
P264 : Wash hands thoroughly after handling.  
P272 : Contaminated work clothing must not be allowed out of the workplace  
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  
P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 : If eye irritation persists: Get medical advice/attention.  
P363 : Wash contaminated clothing before reuse.  
P370+P378 : In case of fire: Use water, CO<sub>2</sub>, dry chemical, or universal aqueous film forming foam to extinguish.  
P403+P235 : Store in a well-ventilated place. Keep cool.  
P501 : Dispose of contents/container to applicable regulations

### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

### 2.4 Unknown acute toxicity

This product does not have any ingredients with an unknown acute toxicity.

43.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

43.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

43.25% 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
Dinonylnaphthalene Sulfonic Acid, Calcium Salt	57855-77-3	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 4, H413

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** : Call a poison center or a doctor if you feel unwell.  
**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. If skin irritation or rash occurs: Get medical advice/attention.  
**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.  
**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, Skin Irritation, Narcosis, Drowsiness.  
**Delayed Effects** : No known delayed effects.

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Immediate Effects : No known immediate effects.  
Chronic Effects : No known chronic effects.  
Target Organs : Central Nervous System, Eyes, 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

### 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.

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### 7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### Ethanol (64-17-5)

ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	3300 ppm
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
California	California PEL (TWA) (ppm)	1000 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.
- 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** : Respiratory protection is not anticipated to be needed.
- 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	> 78.39 °C	Melting / Freezing Point	> -114.15 °C
Flash Point, Liquid	> 8.00 °C		
Explosive Limits	LEL: 2.40 UEL: 15.00 vol %	Autoignition Temperature, Liquid	> 363.00 °C
Flammability	Highly Flammable Liquid	Density	0.891 g/cm <sup>3</sup>
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	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Clear Yellow to Amber	Water Solubility	Not Available
Odor	Characteristic	Decomposition Temperature	Not Available

### 9.2 Environmental Properties

Percent Volatile	54.00 % wt	VOC Regulatory	480.80 g/L (4.01 lbs/gal)
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Percent VOC	54.00 % wt	VOC Actual	481.12 g/L (4.01 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.8230 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 : None Identified.

### 10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Alkali Metals, Hydrogen Peroxide, Sulfuric Acid.

### 10.6 Hazardous Decomposition Products

Thermal Decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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)

#### Dinonylnaphthalene Sulfonic Acid, Calcium Salt (CAS: 57855-77-3 / EC: 260-991-2)

LD50 Oral (Rat)	> 2500 mg/kg (External SDS)
LD50 Dermal (Rabbit)	> 10000 mg/kg (External SDS)

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation.

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 : May cause an allergic skin reaction.

Germ Cell Mutagenicity : Not classified

Reproductive Toxicity : Not classified

STOT-Single Exposure : Not classified

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

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### 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 <sub>2</sub> /g substance
Chemical Oxygen Demand	1.7 g O <sub>2</sub> /g substance
Theoretical Oxygen Demand	2.1 g O <sub>2</sub> /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).
Dinonylnaphthalene Sulfonic Acid, Calcium Salt (57855-77-3)	
LC50 Fish	> 0.28 mg/l 96hr
EC50 Daphnia	> 0.27 mg/l 48hr
Log Pow	11.12

## 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

<b>UN Number</b>	:	UN1993	UN1993	UN1993
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### 14.2 UN Proper Shipping Name

<b>UN Proper Shipping Name</b>	:	Flammable Liquid, NOS (Contains Ethanol), Limited Quantity	Flammable Liquid, NOS (Contains Ethanol), Limited Quantity	Flammable Liquid, NOS (Contains Ethanol), Limited Quantity
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### 14.3 Transport Hazard Class(es)

<b>Transport Hazard Class(es)</b>	:	3	3	3
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<b>Labels</b>	:	None	3 - Flammable liquid	None
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<b>Limited Quantity</b>	:	Yes 	Yes 	Yes 
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<b>EmS Code</b>	:	Not Applicable	Not Applicable	F-E, S-E
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### 14.4 Packing Group

<b>Packing Group</b>	:	II	II	II
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**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.*

<i>T-Butyl Alcohol</i>	CAS-No. 75-65-0	<i>&lt; 1%</i>
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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** : *This product or mixture is not known to contain a chemical or chemicals subject to the release reporting requirements of section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)*

**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 does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm*

**State Right-to-Know Lists** : *The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated*

<i>Ethanol (64-17-5)</i>	U.S. - New Jersey - Right to Know Hazardous Substance List
<i>T-Butyl Alcohol (75-65-0)</i>	U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16 - OTHER INFORMATION

**Indication of changes** :

Section	Changed item	Change
1	Revision date	Modified
1	Supersedes	Added
1	SDS US Regulation reference	Added
2.1	GHS-US classification	Modified
2.2	Precautionary statements (GHS US)	Modified
8.2	Compliance	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
8.2	Environmental Exposure Controls	Added
8.2	Respiratory Protection	Added
9	Relative vapor density at 20 °C	Added
9	Auto-ignition temperature	Added
9	Appearance	Added
9	Melting point	Modified
9	Flash point	Modified
9	Explosive limits (vol %)	Modified
9	Boiling point	Modified
14	User Precautions	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added

**Full Text of H-Statements** :

H Code	H Phrase
H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H413	May cause long lasting harmful effects to aquatic life