

# SAFETY DATA SHEET

Part No. P10054CT & P10054CT-B  
(Liquid)

HSO Hoppe's Boresnake CLP 2 fl. oz.

Print Date: 09/12/2022  
Revision Date: 12/9/2022  
Supersedes Date: 7/1/2020  
Issue Date: 6/19/2017  
Version: 6.0 (EN)-US  
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## SECTION 1 - IDENTIFICATION

### 1.1 Product Identifier

Product Name : HSO Hoppe's Boresnake CLP 2 fl. oz.  
Manufacturer Product Number : P10054CT & P10054CT-B  
Supplier Product Numbers : HSO Hoppe's & HSO Mustang Hoppe's

### 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 : Used to clean, lubricate and protect firearms.  
Restrictions on Use : None Identified

### 1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name		Bushnell Holdings Inc.
Address		22101 West 167th St., Olathe, KS 66062 - United States
Phone Number		1-800-423-3537
Fax Number		
Email		dangerous.goods@vistaoutdoor.com
Website		

### 1.5 24 hr Emergency Phone Number

Emergency Number : Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency ONLY)  
Emergency number: 1-800-424-9300 (Inside US), 01-703-527-3887 (Outside US) - (CHEMTREC, Day or Night)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

Skin Sens. 1	H317	Health Hazards	Skin sensitization, Category 1
Aquatic Acute 2	H401	Environmental Hazards	Hazardous to the aquatic environment – Acute Hazard Category 2

### 2.2 Label Elements

Hazard Pictograms



Signal Word

**Warning**

Hazard Statements

H317 : May cause an allergic skin reaction  
H401 : Toxic to aquatic life

Precautionary Statements

P261 : Avoid breathing vapors or fumes.  
P272 : Contaminated work clothing must not be allowed out of the workplace.  
P273 : Avoid release to the environment.  
P280 : Wear protective gloves and eye protection.  
P302+P352 : If on skin: Wash with plenty of water.  
P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.  
P363 : Wash contaminated clothing before reuse.  
P501 : Dispose of contents/container to local regulations.

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## 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.

1.95% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

1.95% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

25.33% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance / Mixture

Substance / Mixture : Mixture

### 3.2 Composition

Substance name	CAS Number	% wt*	Classification
Hydrotreated Light Naphthenic Distillate	64742-53-6	30 – 60	Asp. Tox. 1, H304
Polyalphaolefin	68037-01-4	10 – 30	Asp. Tox. 1, H304
1-Dodecene, Polymer With 1-Decene And 1-Octene, Hydrotreated	163149-28-8	10 – 30	Asp. Tox. 1, H304
Hydrotreated Light Petroleum Distillate	64742-47-8	1 – 5	Asp. Tox. 1, H304 Aquatic Acute 2, H401
Calcium Bis(Dinonylnaphthalenesulphonate)	57855-77-3	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400

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** : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
**Eye Contact** : Rinse eyes with water as a precaution.  
**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, Central Nervous System Depression, Chemical Pneumonitis (Aspiration Liquid).  
**Delayed Effects** : No known delayed effects.  
**Immediate Effects** : No known immediate effects.  
**Chronic Effects** : No known chronic effects.  
**Target Organs** : Central Nervous System.

### 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

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## 5.1 Suitable Extinguishing Media

**Extinguishing Media** : Product is non-flammable. Use extinguishing media suitable for surrounding materials.  
**Unsuitable Media** : Avoid extinguishing media unsuitable for surrounding materials.

## 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 are non-flammable. No known fire hazards.

## 5.3 Special Protective Actions for Fire-Fighters

**Firefighting Instructions** : Product is non-flammable. Use extinguishing media suitable for surrounding materials.  
**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.  
**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** : Soak up material with inert absorbent and place in safety containers for proper disposal.  
**Other Information** : Not Available.  
**Prohibited Materials** : Not Available.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

**General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Always replace overcap when not in use.  
**Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use.

### 7.2 Conditions for Safe Storage Including Any Incompatibilities

**Storage Requirements** : Keep containers closed when not in use. Do not store in open or unlabelled containers.  
**Incompatibilities** : Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### Hydrotreated Light Naphthenic Distillate (64742-53-6)

ACGIH	ACGIH OEL TWA [ppm]	5 mg/m <sup>3</sup> Oil Mist
OSHA	OSHA PEL (TWA) [1]	10 mg/m <sup>3</sup> Oil Mist
California	California PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

#### Hydrotreated Light Petroleum Distillate (64742-47-8)

ACGIH	ACGIH OEL TWA [ppm]	200 mg/m <sup>3</sup> (Sigma-Aldrich)
NIOSH	NIOSH REL (TWA)	100 mg/m <sup>3</sup>

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## Polyalphaolefin (68037-01-4)

ACGIH	ACGIH OEL TWA [ppm]	5 mg/m <sup>3</sup>
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## 8.2 Exposure Controls

<b>Engineering Measures</b>	: 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.
<b>Personal Protective Equipment</b>	
<b>Eye / Face Protection</b>	: 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.
<b>Hand Protection</b>	: Chemical-resistant gloves, tested according to ASTM F903-17.
<b>Remarks</b>	: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.
<b>Skin and Body Protection</b>	: 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.
<b>Respiratory Protection</b>	: Respiratory protection is not anticipated to be needed.
<b>Compliance</b>	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
<b>Other Protective Equipment</b>	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
<b>Environmental Exposure Controls</b>	: Avoid release to the environment.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical Properties

Boiling Point	> 227.00 °C	Melting / Freezing Point	> -70.00 °C
Flash Point, Liquid	> 97.00 °C		
Explosive Limits	LEL: 0.60 UEL: 10.00 vol % (v/v%)	Autoignition Temperature, Liquid	> 262.00 °C
Flammability	Non-Flammable Liquid	Density	0.861 g/cm <sup>3</sup>
Molecular Weight	Not Available	Weight	7.189 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	24.80 cSt (centistoke)	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Translucent Yellow	Water Solubility	Not Available
Odor	Hydrocarbon solvent	Decomposition Temperature	Not Available

### 9.2 Environmental Properties

Percent Volatile	50.80 % wt	VOC Regulatory	63.66 g/L (0.53 lbs/gal)
Percent VOC	0.00 % wt	VOC Actual	34.89 g/L (0.00 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	0.0273 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.

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## 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** : Other Ignition Sources, Heat, Flames, Sparks.

## 10.5 Incompatible Materials

**Materials to Avoid** : Strong Oxidizing Agents.

## 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

#### Hydrotreated Light Naphthenic Distillate (CAS: 64742-53-6 / EC: 265-156-6)

LD50 Oral (Rat) > 5000 mg/kg (ChemInfo)

LD50 Dermal (Rabbit) > 2000 mg/kg (ChemInfo)

LC50 Inhalation (Rat) 2.18 mg/l/4h (RTECS)

#### Hydrotreated Light Petroleum Distillate (CAS: 64742-47-8 / EC: 265-149-8)

LD50 Oral (Rat) > 5000 mg/kg (ExxonMobil SDS)

LD50 Dermal (Rabbit) > 5000 mg/kg (ExxonMobil SDS)

LC50 Inhalation (Rat) > 5.28 mg/l/4h (ECHA)

#### Calcium Bis(Dinonylnaphthalenesulphonate) (CAS: 57855-77-3 / EC: 260-991-2)

LD50 Oral (Rat) > 5000 mg/kg (RTECS)

LD50 Dermal (Rabbit) > 20000 mg/kg (RTECS)

LC50 Inhalation (Rat) > 18000 mg/m<sup>3</sup> (RTECS)

#### Polyalphaolefin (CAS: 68037-01-4 / EC: 500-183-1)

LD50 Oral (Rat) > 5000 mg/kg (Sigma-Aldrich)

LD50 Dermal (Rabbit) > 2000 mg/kg (Chevron-Phillips SDS)

LC50 Inhalation (Rat) > 2.5 mg/l/4h (Chevron-Phillips SDS)

#### 1-Dodecene, Polymer With 1-Decene And 1-Octene, Hydrotreated (CAS: 163149-28-8 / EC: 605-315-2)

LD50 Oral (Rat) > 5000 mg/kg (ECHA)

LD50 Dermal (Rabbit) > 2000 mg/kg (RTECS)

**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** : Not classified

**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

### Hydrotreated Light Naphthenic Distillate (64742-53-6)

LC50 Fish	> 5000 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 1000 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative Potential	No bioaccumulation data available.

### Hydrotreated Light Petroleum Distillate (64742-47-8)

LC50 Fish	2.9 mg/l Rainbow Trout - 96hr
Persistence and Degradability	Biodegradability 88% / 28 days.
Biodegradation	85 % 28 Days
Log Pow	6

### Calcium bis(dinonylnaphthalenesulphonate) (57855-77-3)

LC50 Fish	0.28 mg/l 96hr
EC50 Daphnia	0.27 mg/l 48hr
BCF Fish	3.16
Log Pow	11.12
Log Kow	6.6

### Polyalphaolefin (68037-01-4)

LC50 Fish	> 1000 mg/l Rainbow Trout - 96hr
LC50 Fish	> 750 mg/l Fathead Minnow - 96h
EC50 Daphnia	190 mg/l Water Flea - 48hr
Persistence and Degradability	Adsorbs into the soil.
Log Pow	> 6 (Calculated)

### 1-Dodecene, polymer with 1-decene and 1-octene, hydrotreated (163149-28-8)

LC50 Fish	1000 g/l (Lit.)
EC50 Daphnia	1000 mg/l (Lit.)
Log Pow	> 5

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

<b>Waste Disposal</b>	: Although this product is non-hazardous, contamination from a variety of means is possible. Waste stream classification can change with product use and location. 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 must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
<b>Waste Disposal Of Packaging</b>	: 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.
<b>Landfill Precautions</b>	: Not Available.
<b>Incineration Precautions</b>	: Not Available.

## SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number :	NONE	NONE	NONE
14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name :	Non-Regulated Material	Non-Regulated Material	Non-Regulated Material
14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es) :	None	None	None

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EmS Code : Not Applicable Not Applicable Not Applicable

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

Packing Group : None None None

**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** : *This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.*

**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)*

**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>Antimony Diamyldithiocarbamate (15890-25-2)</i>	<i>U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List</i>
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## SECTION 16 - OTHER INFORMATION

Indication of changes :

Section	Changed item	Change
1	Revision date	Modified
1	Supersedes	Modified
1	Supplier Product Numbers	Modified
9	Density	Modified
9	Relative vapor density at 20°C	Modified
9	Flash point	Modified

**Disclaimer of Liability**

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.