

SAFETY DATA SHEET

Part No. P10054CT & P10054CT-B
(Liquid)

HSO Hoppe's Boresnake CLP 2 fl. oz.

Print Date: 17/09/2019
Revision Date: 17/09/2019
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according to the United Nations GHS (Rev. 6, 2015)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Substance name	Identifiers	% [weight]	Classification according to Regulation (EC) No. 1278/2008 [CLP]
Dearomatized Aliphatic Hydrocarbon	CAS-No.: 64742-47-8 EC-No.: 265-149-8 EC Index-No.: 649-422-00-2 REACH registration No.: 01-2119484819-18-XXXX	1 - 5	Asp. Tox. 1, H304 Aquatic Acute 2, H401

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

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

General Notes	: If exposed or concerned: Get medical advice/attention.
Following Inhalation	: Remove person to fresh air and keep comfortable for breathing.
Following Skin Contact	: Wash skin with plenty of water.
Following Eye Contact	: Rinse eyes with water as a precaution.
Following Ingestion	: Call a poison center or a doctor if you feel unwell.
Protection of First-Aiders	: 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

Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.
Symptoms of Exposure	: Eye Irritation, Central Nervous System Depression, Skin Irritation, Headache, Dizziness, Nausea, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Optical Nerve Damage, Chemical Pneumonitis (Aspiration Liquid).
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 any Immediate Medical Attention and Special Treatment Needed

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 - FIREFIGHTING MEASURES

5.1 Extinguishing Media

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

5.2 Special Hazards Arising From The Substance Or Mixture

Hazardous Combustion Products	: Decomposition products may include: oxides of carbon, smoke, vapours. See also Section 10.6.
Specific Hazards During Firefighting	: Contents are non-flammable. No known fire hazards.

5.3 Advice for Firefighters

Specific Extinguishing Methods	: Product is non-flammable. Use extinguishing media suitable for surrounding materials.
Special Protective Equipment for Firefighters	: Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

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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 Material 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.

6.4 Reference to Other Sections

- See Section 7.1** : For Information On Safe Handling
- See Section 8.3** : For Information On Personal Protection Equipment
- See Section 13.1** : For Information On Disposal

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Technical Measures** : Do not incinerate (burn) containers.
- Ventilation** : Open windows to improve ventilation if necessary.
- Advice on Safe Handling** : KEEP OUT OF THE REACH OF CHILDREN. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours.
- Hygiene Measures** : Do not eat, drink or smoke when using this product. Wash contaminated clothing before re-use. 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.

7.3 Specific End Use(s)

- Specific Use(s)** : No further relevant information is available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure Limits: None Identified

Biological Occupational Exposure Limits: None Identified

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006: None Identified

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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006 DNEL

Route Of Exposure	WORKERS				GENERAL POPULATION (CONSUMERS)			
	Long-Term Systemic	Acute Systemic	Long-Term Local	Acute Local	Long-Term Systemic	Acute Systemic	Long-Term Local	Acute Local

Dearomatized Aliphatic Hydrocarbon (CAS: 64742-47-8 / EC: 265-149-8)

Inhalation	—	—	—	—	—	—	—	—
Dermal	—	—	—	—	—	—	—	—
Oral	—	—	—	—	—	—	—	—
Eyes	—	—	—	—	—	—	—	—

8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation.
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	: Wear suitable gloves resistant to chemical penetration that comply with the specifications of EC Directive 89/686/EEC and the related standard EN 374.
Remarks	: Natural Latex gloves. Layer thickness: 0.6 mm. Breakthrough time: >480 min.
Skin and Body Protection	: For brief contact, no precautions other than clean body-covering clothing should be needed.
Respiratory Protection	: Respiratory protection is not anticipated to be needed.
Compliance	: If needed, wear an appropriate NIOSH approved respirator.
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 Information On Basic Physical And Chemical Properties

Appearance	Liquid	pH	Not Available
Colour	Colourless	Vapour Pressure	Not Available
Odour	Characteristic	Relative Vapour Density	Not Available
Odour Threshold	Not Available	Relative Density	0.855 g/cm ³
Melting Point / Freezing Point	> -97.70 °C	Water Solubility	Not Available
Initial Boiling Point / Boiling Point Range	> 64.70 °C	Partition Coefficient: n-Octanol/Water	Not Available
Flash Point of Liquid	> 79.00 °C	Auto-Ignition Temperature	262.00 °C
Flash Point of Propellant		Decomposition Temperature	Not Available
Evaporation Rate	Not Available	Viscosity	37.00 cSt (centistoke) @ 40 °C
Flammability	Non-Flammable Liquid	Explosive Properties	Not Explosive
Explosion Limits	LEL: 0.60 UEL: 36.00 vol %	Oxidizing Properties	Not Oxidizing

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9.2 Other Information

Molecular Weight	Not Available	Weight	7.135 lbs/gal
Physical State	Liquid	Heat Of Combustion	Not Available
Percent VOC	0.00 % wt	VOC Actual	0.01 g/L (0.00 lbs/gal)

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, Heat, Flames, Sparks.

10.5 Incompatible Materials

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

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Dearomatized Aliphatic Hydrocarbon (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)

Skin Corrosion/Irritation	: Not classified
Eye Damage/Irritation	: Not classified
Respiratory Or Skin Sensitization	: Not classified
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.

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SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity : *Based on available data, the classification criteria are not met.*

12.2 Persistence and Degradability

Persistence and Degradability : *No Information Available.*

12.3 Bioaccumulative Potential

Bioaccumulative Potential : *No Information Available.*

12.4 Mobility in Soil

Mobility in Soil : *No Information Available.*

12.5 Results of PBT and vPvB Assessment

Results of PBT and vPvB Assessment : *Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.*

12.6 Other Adverse Effects

Other Adverse Effects : *No further relevant information available.*

Ecotoxicity and Ecological Properties of Components

Dearomatized Aliphatic Hydrocarbon (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

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Waste Disposal** : *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.*
- 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

	ADR	ADN	RID	IATA	IMDG
UN Number	NONE	NONE	NONE	NONE	NONE

14.2 UN Proper Shipping Name

	ADR	ADN	RID	IATA	IMDG
UN Proper Shipping Name	Non-Regulated Material	Non-Regulated Material	Non-Regulated Material	Non-Regulated Material	Non-Regulated Material

14.3 Transport Hazard Class(es)

	ADR	ADN	RID	IATA	IMDG
Transport Hazard Class(es)	None	None	None	None	None

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Classification Code	:	<i>Not classified as dangerous.</i>	<i>Not classified as dangerous.</i>	<i>Not classified as dangerous.</i>	<i>Not Applicable</i>	<i>Not Applicable</i>
Hazard Identification Number	:	<i>Not classified as dangerous.</i>	<i>Not Applicable</i>	<i>Not classified as dangerous.</i>	<i>Not Applicable</i>	<i>Not Applicable</i>
Tunnel Restriction Code	:	<i>Not classified as dangerous.</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	<i>Not Applicable</i>
EmS Code	:	<i>Not Applicable</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	<i>Not Applicable</i>

14.4 Packing Group	ADR	ADN	RID	IATA	IMDG
Packing Group	<i>None</i>	<i>None</i>	<i>None</i>	<i>None</i>	<i>None</i>

14.5 Environmental Hazards	ADR	ADN	RID	IATA	IMDG
Marine Pollutant	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

14.6 Special Precautions for User	
Precautions	<i>: None Identified</i>

14.7 Transport in Bulk According to Annex II of Marpol and the IBC Code	
Remarks	<i>: Not applicable for product as supplied</i>

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

REACH, Annex XVII – Restrictions on use	:	<i>No regulated ingredients</i>
Regulation (EC) No 648/2004 of the European Parliament and the Council concerning detergents	:	<i>Not applicable</i>
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	<i>No regulated ingredients</i>
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	<i>No regulated ingredients</i>
Regulation (EC) No 850/2004 on persistent organic pollutants	:	<i>No regulated ingredients</i>
Directive 2004/42/EC on the limitation of volatile organic compounds	:	<i>Not Applicable</i>
Substances of Very High Concern	:	<i>This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006, Article 57 and Article 59 of REACH, above the regulatory concentration limit of $\geq 0.1\%$ (w/w).</i>
Candidate List of Substances of Very High Concern	:	<i>None Identified</i>
Seveso III: Directive 2012/18/EU of the European Parliament and the Council on the control of major-accident hazards involving dangerous substances	:	<i>Not applicable for product as supplied</i>
Occupational Restrictions	:	<i>Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable. Observe work restrictions regarding maternity protection in accordance to Directive 92/85/EEC or stricter national regulations, where applicable.</i>
The components of this product are reported in the following inventories:	:	<i>REACH - All ingredients are currently pre/registered or exempt under REACH.</i>

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

National Regulations - Germany

Water Hazard Class (WGK) : WGK 1 (low hazard to water)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

Indication of changes

Section	Changed item	Change
1	Supersedes	Modified
1	Revision date	Modified
1	Product code	Modified
2	No unknown acute toxicity text	Added
3	Composition/information on ingredients	Modified
6	For containment	Added
9	Relative vapour density at 20 °C	Added
9	Melting point	Modified
9	Explosive limits (vol %)	Modified
9	Boiling point	Modified
9	Auto-ignition temperature	Modified
9	Density	Modified
12.1	Ecology - general	Modified

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

ADN	: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
BCF	: Bioconcentration factor
CLP	: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	: Derived Minimal Effect Level
DNEL	: Derived-No Effect Level
DPD	: Dangerous Preparations Directive 1999/45/EC
DSD	: Dangerous Substances Directive 67/548/EEC
EC50	: Median effective concentration
IARC	: International Agency for Research on Cancer
IATA	: International Air Transport Association
IMDG	: International Maritime Dangerous Goods
LC50	: Median lethal concentration
LD50	: Median lethal dose
LOAEL	: Lowest Observed Adverse Effect Level
NOAEC	: No-Observed Adverse Effect Concentration
NOAEL	: No-Observed Adverse Effect Level
NOEC	: No-Observed Effect Concentration
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent Bioaccumulative Toxic
PNEC	: Predicted No-Effect Concentration
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	: Safety Data Sheet
STP	: Sewage treatment plant
TLM	: Median Tolerance Limit
vPvB	: Very Persistent and Very Bioaccumulative

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