

Safety Data Sheet



Date of the latest revision of the safety data sheet: 12-10-2019

Supersedes: 06-10-2019

BAR & CHAIN COMMERCIAL OIL

1 Identification

Product Identifier: Bar & Chain Commercial Oil

Stock Number:

Other means of identification: No data available

Synonyms:

Recommended use and restrictions on use: Bar & Chain Commercial Oil

Recommended use: Uses other than those described above

Restrictions on use: KLONDIKE Lubricants Corporation

Initial Supplier Identifier: 3078 275th Street
Langley, BC, V4W 3L4
Canada
General information 1-877-293-4691
info@klondikelubricants.com

Tel No.:

Email: Chemtrec (Within US) 1-800-424-9300 Chemtrec
(International) 1-703-527-3887

Emergency telephone number and any restrictions on the use of that number, if applicable:

2 Hazard identification

Classification of the hazardous product:

Carcinogenicity Category 1B

**GHS Hazard
class symbols:**



Signal word: Danger

Hazard statements: May cause cancer.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Other hazards known to the supplier with respect to the hazardous product:

Physical hazards not otherwise classified None known.

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Health hazards not otherwise classified None known.

3 Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS registry number and any unique identifiers	Concentration
Light hydrocracked distillate	No data available	64741-77-1	0.1 - 1
Distillates, petroleum, hydrodesulfurized middle	No data available	64742-80-9	0.1 - 1
Distillates, petroleum, hydrodesulfurized light catalytic cracked	No data available	68333-25-5	0.1 - 1
Distillates, petroleum, straight-run middle	No data available	64741-44-2	0.1 - 1
Residual oils, petroleum, solvent-refined	No data available		0.1 - 1
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	No data available	68649-42-3	0.5 - 1.5
Petroleum distillates, hydrotreated heavy paraffinic	No data available	64742-54-7	80 - 100

4 First-aid measures

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eye contact:	None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
The most important symptoms and effects, whether acute or delayed:	Severe pulmonary irritation
An indication of immediate medical attention and special treatment needed, if necessary:	IF exposed or concerned: Get medical advice/attention.

5 Fire-fighting measures

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Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
Unsuitable extinguishing media:	No data available
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide
Special protective equipment and precautions for firefighters:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.
Methods and materials for containment and cleaning up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

7 Handling and storage

Precautions for safe handling:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer.
Conditions for safe storage:	Store in a cool dry place. Isolate from incompatible materials.
Materials to Avoid/Chemical Incompatibility:	Strong oxidizing agents

8 Exposure controls/personal protection

Control parameters, including occupational exposure limit values or biological limit values and the source of those values:

Canada – Alberta – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits -	Occupational Exposure Limits -	Occupational Exposure Limits -
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	TWAs	STELs	Ceiling
No data available			

Canada – British Columbia– Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Manitoba – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – New Brunswick – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Newfoundland & Labrador – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Northwest Territories – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Nova Scotia – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Nunavut – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

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Canada – Ontario – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Prince Edward Island – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Quebec – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAEVs	Occupational Exposure Limits - STEVs	Occupational Exposure Limits - Ceiling
No data available			

Canada – Saskatchewan – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Canada - Yukon – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
No data available			

Chemical Name	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL	IDLH
No data available				

Appropriate engineering controls:

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use

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Eye and face protection:	NIOSH/MSHA approved respiratory protection. Wear safety glasses when handling this product if there is a likelihood of contact with eyes.
Skin Protection:	Wear protective gloves/protective clothing/eye protection/face protection.
Hand protection:	Neoprene, Nitrile
General hygiene conditions:	Wear protective gloves/protective clothing/eye protection/face protection.

9 Physical and chemical properties

Physical state:	Liquid
Colour:	Amber
Odour:	Mild
Odour threshold:	Not determined
pH:	No data available
Melting point (°C):	No data available
Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
Flash point (°C):	193
Evaporation rate:	No data available
Flammability, in the case of solids and gases:	No data available
Upper flammable or explosive limit, % in air:	Not established
Lower flammable or explosive limit, % in air:	Not established
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	0.87
Solubility:	Negligible
Partition coefficient — n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	Not determined
Viscosity:	71

10 Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.

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Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid, including static discharge, shock or vibration:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	No data available

11 Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye contact, Ingestion, Inhalation, Skin contact
Symptoms related to the physical, chemical and toxicological characteristics:	Severe pulmonary irritation
Immediate effects from short term exposure:	
Inhalation:	No hazard in normal industrial use.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	This material is likely to be non-irritating to eyes based on animal data.
Ingestion:	Estimated to be > 5.0 g/kg. No hazard in normal industrial use.

Delayed and chronic effects from long term exposure:

Carcinogenicity:	Contains a substance that is a probable cancer hazard based on animal studies using doses likely to be encountered in the workplace.
Reproductive and Developmental Toxicity:	Not known or reported to cause reproductive or developmental toxicity.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Numerical measures of toxicity, including ATEs Based on available data, the classification criteria are not met.

12 Ecological information

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Ecotoxicity (aquatic and terrestrial, if available):

Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS registry number and any unique identifiers	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Light hydrocracked distillate	64741-77-1	No data available	No data available	Aquatic LC50 (96h) 7.3 mg/L
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No data available	No data available	Aquatic LC50 (96h) 7.3 mg/L
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No data available	No data available	Aquatic LC50 (96h) 35 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Aquatic EC50 (48h) Daphnia > 1000 mg/L	No data available	Aquatic LC50 (96h) Rainbow Trout > 5000 mg/L

Persistence and degradability:

Biodegrades slowly.

Bioaccumulative potential:

Bioconcentration may occur.

Mobility in soil:

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

Other adverse effects:

None known.

13 Disposal considerations

Information on safe handling for disposal and methods of disposal, including any contaminated packaging:

Spent or discarded material is not expected to be a hazardous waste.

14 Transport information

Transportation of Dangerous Goods by land (TDG):

UN number:

Not regulated for road transport

UN Proper shipping name:

Not applicable

Transport hazard class(es):

Not applicable

Packing group:

Not applicable

International carriage of dangerous goods by sea (IMDG/IMO):

UN number:

Not regulated by IMDG

UN Proper shipping name:

Not applicable

Transport hazard class(es):

Not applicable

Packing group:

Not applicable

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International carriage of dangerous goods by air (IATA):

UN number: Not regulated by IATA
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable

Environmental hazards according to the International Maritime Dangerous Goods Code and the United Nations Model Regulations: No

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78) and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): No data available

Special precautions in connection with transport or conveyance either within or outside the premises: No data available

15 Regulatory information

Safety, health and environmental regulations, made within or outside Canada, specific to the product in question:

Canada - Domestic Substances List (DSL):

Chemical Name	CAS No	Canada - Domestic Substances List (DSL)
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	Yes
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	Yes
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	Yes
Distillates, petroleum, straight-run	64741-44-2	Yes

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middle		
Light hydrocracked distillate	64741-77-1	Yes

Canada - Non-Domestic Substances List (NDSL):

Chemical Name	CAS No	Canada - Non-Domestic Substances List (NDSL)
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

Canada - Controlled Drugs and Substances:

Chemical Name	CAS No	Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	Schedule VII	Schedule VIII
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No	No	No	No	No	No	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No	No	No	No	No	No	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No	No	No	No	No	No	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No	No	No	No	No	No	No
Distillates, petroleum, straight-run middle	64741-44-2	No	No	No	No	No	No	No
Light hydrocracked distillate	64741-77-1	No	No	No	No	No	No	No

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Chemical Name	CAS No	Class A Precursors	Class B Precursors	Exempt Precursors	Class 1 Targeted Substances	Class 2 Targeted Substances
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No	No	No	No	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No	No	No	No	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No	No	No	No	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No	No	No	No	No
Distillates, petroleum, straight-run middle	64741-44-2	No	No	No	No	No
Light hydrocracked distillate	64741-77-1	No	No	No	No	No

Canada - CEPA - Schedule III Export Control List:

Chemical Name	CAS No	Part 1 Prohibited Substances	Part 2 Substances Subject to Notification or Consent	Part 3 Restricted Substances	Export Control List
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No	No	No	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No	No	No	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No	No	No	No
Distillates, petroleum, hydrodesulfurized light	68333-25-5	No	No	No	No

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catalytic cracked					
Distillates, petroleum, straight-run middle	64741-44-2	No	No	No	No
Light hydrocracked distillate	64741-77-1	No	No	No	No

Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting:

Chemical Name	CAS No	Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

Canada - Narcotic Control Regulations (C.R.C., c. 1041):

Chemical Name	CAS No	Canada - Narcotic Control Regulations (C.R.C., c. 1041)
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run	64741-44-2	No

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middle		
Light hydrocracked distillate	64741-77-1	No

Canada - Ontario - Toxics Reduction - List of Priority Toxics:

Chemical Name	CAS No	Canada - Ontario - Toxics Reduction - List of Priority Toxics
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

Stockholm Convention on Persistent Organic Pollutants:

Chemical Name	CAS No	Stockholm Convention on Persistent Organic Pollutants
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade:

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Chemical Name	CAS No	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade .
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs):

Chemical Name	CAS No	(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs)
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

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Montreal Protocol on Substances that Deplete the Ozone Layer:

Chemical Name	CAS No	Montreal Protocol on Substances that Deplete the Ozone Layer
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.:

Chemical Name	CAS No	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	No
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	No
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No
Distillates, petroleum, straight-run middle	64741-44-2	No
Light hydrocracked distillate	64741-77-1	No

16 Other information

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Reason for revision:

Activated by Document Formulation Generation

Disclaimer:

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