









# Safety Data Sheet



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

Supercedes: 06-10-2019

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

## 9 Physical and chemical properties

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

## 10 Stability and reactivity

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

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<b>Possibility of hazardous reactions:</b>	None expected under standard conditions of storage.
<b>Conditions to avoid, including static discharge, shock or vibration:</b>	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).
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	No data available

## 11 Toxicological information

<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):</b>	Eye contact, Ingestion, Inhalation, Skin contact
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	Severe pulmonary irritation
<b>Immediate effects from short term exposure:</b>	
<b>Inhalation:</b>	No hazard in normal industrial use.
<b>Skin Contact:</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Eye Contact:</b>	This material is likely to be non-irritating to eyes based on animal data.
<b>Ingestion:</b>	Estimated to be > 5.0 g/kg. No hazard in normal industrial use.
<b>Delayed and chronic effects from long term exposure:</b>	
<b>Carcinogenicity:</b>	Contains a substance that is a probable cancer hazard based on animal studies using doses likely to be encountered in the workplace.
<b>Reproductive and Developmental Toxicity:</b>	Not known or reported to cause reproductive or developmental toxicity.
<b>Mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Skin Contact:</b>	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption:</b>	Upon prolonged or repeated exposure, no hazard in normal industrial use.
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.
<b>Numerical measures of toxicity, including ATEs</b>	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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Stock Number:  
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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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39

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