

# Safety Data Sheet



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## KLONDIKE ISO 460 Circulating Compressor Turbine Oil

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Product name** KLONDIKE ISO 460 Circulating Compressor Turbine Oil

#### Other means of identification

**Product Code(s)**

**Synonyms** No information available

#### Recommended use of the chemical and restrictions on use

**Recommended Use** Lubricant.

**Uses advised against** No information available

#### Details of the supplier of the safety data sheet

##### **Manufacturer Address**

KLONDIKE Lubricants Corporation

3078 275th Street

Langley, BC, V4W 3L4

Canada

General information 1-877-293-4691

info@klondikelubricants.com

##### **Emergency Contact:**

Chemtrec (Within US) 1-800-424-9300 Chemtrec

(International) 1-703-527-3887

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

#### Label elements

#### EMERGENCY OVERVIEW

**Not classified**

**Appearance** amber

**Physical state** Viscous Liquid

**Odor** No information available

#### Hazards not otherwise classified (HNOC)

#### Other information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Family** Petroleum hydrocarbon mixture.

Chemical name	CAS-No	Weight %	Trade secret
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	40-75	*

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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### First aid measures

<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<b>Skin contact</b>	Wash skin with soap and water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move victim to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. If symptoms persist, call a physician.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
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##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water can be used to keep surrounding materials cool.

<b>Large Fires</b>	Contact emergency personnel.
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**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Combustible material.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sulfur oxides. Nitrogen oxides (NO<sub>x</sub>).

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal protection</b>	Wear protective gloves/clothing and eye/face protection.
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##### Environmental precautions

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Prevent product from entering drains.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Keep away from open flames, hot surfaces and sources of ignition.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible Products** Strong oxidizing and reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Goggles. Safety glasses.

**Skin and body protection** Long sleeved clothing. Protective gloves.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Viscous Liquid	<b>Odor</b>	No information available
<b>Appearance</b>	amber	<b>Odor threshold</b>	No information available
<b>Color</b>	amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	
Flash point	> 148 °C / > 300 °F	(based on components)
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	

<b>Specific gravity</b>	0.87-0.88
<b>Water solubility</b>	No information available
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	200-500 @40C cSt
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

#### **Other information**

<b>Softening point</b>	No information available
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No data available

#### **Chemical stability**

Stable under normal conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

#### **Conditions to avoid**

Heat, flames and sparks.

#### **Incompatible materials**

Strong oxidizing and reducing agents.

#### **Hazardous decomposition products**

None known based on information supplied.

## **11. TOXICOLOGICAL INFORMATION**

#### **Information on likely routes of exposure**

<b>Product Information</b>	No data available		
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.		
<b>Eye contact</b>	Avoid contact with eyes. May cause irritation.		
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking. May be harmful in contact with skin		
<b>Ingestion</b>	Do NOT taste or swallow.		

<b>Chemical name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg ( Rat ) > 24 g/kg ( Rat )	> 5000 mg/kg ( Rabbit )	= 2062 ppm ( Rat ) 4 h

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## Information on toxicological effects

**Symptoms** No information available.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

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**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** Mineral oils are known to cause cancer because of carcinogenic components (e.g. benzene). The mineral oil in this product is highly refined and should not be considered a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	-	Group 1	Known	X

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

## Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 5087 mg/kg  
**ATEmix (dermal)** 5087 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Method** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

## 14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Does not comply
DSL/NDL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### U.S. State Regulations

#### California Proposition 65

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This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	X	-	X

**U.S. EPA Label Information**

EPA Pesticide registration number Not Applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X

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Revision Note

Initial Release

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of MSDS**