

## 1. Identification

**Product identifier** **KLONDIKE Form Release / Dust Suppressant Oil**

**Other means of identification**

**Product code** Form Release/Dust Suppressant  
**Recommended use** Form Release and Dust Suppressant Agent  
**Recommended restrictions** Professional Use Only  
**Chemical family** Petroleum hydrocarbon  
**Manufacturer**

KLONDIKE Lubricants Corporation  
 3078 275th Street  
 Langley, BC, Canada  
 V4W 3L4  
 info@klondikelubricants.com  
 www.klondikelubricants.com  
 General Information 1-877-293-4691  
 Chemtrec (Within US) 1-800-424-9300  
 Chemtrec (International) 1-703-527-3887  
 Refer to Manufacturer

**Supplier information**

## 2. Hazard(s) Identification

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

**Physical hazards** Not classified for physical hazards.  
**Health hazards** Not classified for health hazards.  
**Environmental hazards** Not currently regulated by Hazcom 2012 or WHMIS 2015. Consult section 12 for details.  
**OSHA defined hazards** No OSHA defined hazard classes.  
**Label elements** None required according to OSHA Hazcom 2012.  
**Signal Word** None.  
**Hazard statement(s)** The mixture does not meet the criteria for classification.  
**Precautionary statement(s)**  
     **Prevention** None required.  
     **Response** None required.  
     **Storage** None required.  
     **Disposal** None required.  
**Hazard(s) not otherwise Classified (HNOC)** Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Contact with eyes or skin may cause mild irritation.  
**Supplemental Information** None reported by the manufacturer.

## 3. Composition/information on ingredients

**Pure substance**

Chemical name	Common name and synonyms	CAS number	Concentration (%)
Hydrotreated heavy paraffinic distillate	Hydrotreated heavy paraffinic (severely refined)	64742-54-7	100.00

# SAFETY DATA SHEET

## 4. First-aid measures

<b>Inhalation</b>	If breathing is difficult, trained personnel should give oxygen. If breathing stops, provide artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	For skin contact, flush with water for at least 15 minutes, while removing contaminated clothing. If skin irritation occurs, get medical advice/attention.
<b>Eye contact</b>	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. If irritation or symptoms develop, seek medical attention.
<b>Most important symptoms and effects, both acute and delayed</b>	May be mildly irritating to skin, eyes and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General Information</b>	None reported by the manufacturer.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water. Water spray. Dry chemicals. Foam. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Thermal decomposition or combustion may liberate toxic gases or fumes.
<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.
<b>Fire-fighting equipment/instructions</b>	Use water spray to cool unopened containers.
<b>Specific methods</b>	Avoid release to the environment.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ).

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Keep cool. Store away from incompatible materials.

## 8. Exposure controls/personal protection

# SAFETY DATA SHEET

## Occupational exposure limits

### U.S. OSHA Exposure Limits (29 CFR 1910)

	Type	Value
Hydrotreated heavy paraffinic distillate (CAS 64742-54-7)		
	TWA	5 mg/m <sup>3</sup> (As 'Oil mist, mineral')

### US. ACGIH Threshold Limit Values

	Type	Value
Hydrotreated heavy paraffinic distillate (CAS 64742-54-7)		
	TWA	5 mg/m <sup>3</sup> (inhalable) (severely refined mineral oils)

### Biological limit values

Appropriate engineering controls	No biological exposure limits noted for the ingredient(s).	
	Ensure adequate ventilation, especially in confined areas.	

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

Eye / face protection	Wear safety glasses with side shields ( or goggles).
Skin protection	
Hand protection	Chemical resistant gloves recommended.
Other	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards	Not available.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Viscous liquid
Color	Light amber.
Odor	Mild petroleum odour.
Odor threshold	Not available.
pH	Not available.
Melting point /freezing point	Not available.
Initial boiling point and boiling range	
	Not available.
Flash point	>177°C Cleveland closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Lower flammability/explosive limit	Not available.
Upper flammability/explosive limit	Not available.
Vapour pressure	<0.01
Vapour density	> 1
Relative density	0.856
Solubility(ies)	

Material name: KLONDIKE Form Release / Dust Suppressant Oil

Version #: 1 Issue date:01-05-2021

# SAFETY DATA SHEET

Other solubility(ies)	Not available.
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	22
Other information	
Explosive properties	Not available.
Oxidizing properties	Not available.
Specific gravity	0.856
Critical temperature	Not available.
VOC	Not available.
Volatilities %	Not available.
Flame projection length	Not available.
Flashback observed	Not available.
Absolute pressure of container	Not available.
Other physical/chemical data	None known or reported by the manufacturer.

## 10. Stability and reactivity

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to avoid

High temperatures, flame, sparks, high humidity, light, water, and moisture.

### Incompatible materials

Oxidizing agents

### Hazardous decomposition products

Carbon oxides.  
Nitrogen oxides (NOx).

## 11. Toxicological information

### Information on likely routes of exposure

Routes of entry inhalation YES

Routes of entry skin & eye YES

Routes of entry Ingestion YES

Routes of exposure skin absorption YES

### Most important

### symptoms/effects, acute and delayed

May be mildly irritating to skin, eyes and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Information on toxicological effects

### Acute toxicity

See below for toxicological data on the substance.

# SAFETY DATA SHEET

Components	Species	Test Results
Hydrotreated heavy paraffinic distillate		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	>5000 mg/kg
<i>Inhalation</i>		
LC50	Rat	>5.53 mg/L
<i>Oral</i>		
LD50	Rat	>15,000 mg/kg
<b>Skin Corrosion/Irritation</b>	May cause mild skin irritation.	
<b>Serious eye damage/Irritation</b>	May cause mild eye irritation.	
<b>Respiratory or skin sensitization</b>	Not expected to be a skin or respiratory sensitizer.	
<b>Germ cell mutagenicity</b>	Not expected to be mutagenic.	
<b>Carcinogenicity</b>	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified as a specific target organ toxicity-single exposure.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified as specific target organ toxicity-repeated exposure.	
<b>Chronic effects</b>	Prolonged or repeated skin contact may cause defatting and drying resulting in irritation and possible dermatitis.	
<b>Aspiration toxicity</b>	Not expected to be an aspiration hazard.	
<b>Further information</b>	None reported by the manufacturer.	

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
--------------------	--

<b>Ecotoxicity data:</b>				
Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Hydrotreated heavy paraffinic distillate	64742-54-7	>5000 mg/L (Rainbow trout)	n/av	none

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Hydrotreated heavy paraffinic distillate	64742-54-7	n/av	n/av	none

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Hydrotreated heavy paraffinic distillate	64742-54-7	n/av	n/av	none

<b>Persistence and degradability</b>	Not readily biodegradable.
--------------------------------------	----------------------------

<b>Bioaccumulation potential</b>	Not available.
----------------------------------	----------------

# SAFETY DATA SHEET

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Hydrotreated heavy paraffinic distillate (CAS 64742-54-7)	3.9-6	N/Av

**Mobility in soil** Not available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal consideration

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

<b>49CFR/DOT</b>
Not regulated as dangerous goods
<b>ICAO/IATA</b>
Not regulated as dangerous goods
<b>IMDG</b>
Not regulated as dangerous goods
<b>TDG</b>
Not regulated as dangerous goods

**General information** Keep away from heat, sparks and open flame. - No smoking.

**Transport in bulk according to** Not established.

**Annex II of MARPOL 73/78 and the IBC Code**

## 15. Regulatory information

**US Federal Information:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory list.

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	<u>CAS #</u>	<u>TSCA Inventory</u>	<u>CERCLA Reportable Quantity(RQ) (40 CFR 117.302):</u>	<u>SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:</u>	<u>SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical</u>	<u>de minimus Concentration</u>
Hydrotreated heavy paraffinic distillate	64742-54-7	Yes	N/Av	N/Av	No	N/Av

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

# SAFETY DATA SHEET

**Hazard categories**

Immediate Hazard - NO

Delayed Hazard - NO

Fire Hazard - NO

Pressure Hazard - NO

Reactivity Hazard - NO

## US state regulations

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Hydrotreated heavy paraffinic distillate	64742-54-7	No	N/Ap	No	No	No	No	No	No

## Canadian Information:

Not regulated.

**Canadian Environmental Protection Act (CEPA) information:** All ingredients listed appear on the Domestic Substances List (DSL).

## International Inventories

Components listed below are present on the following International Inventory lists:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Hydrotreated heavy paraffinic distillate	64742-54-7	265-157-1	Present	Present	(2)-10; (9)-1692; (9)-1692	KE-12546	Present	No data available.

## 16. Other information, including date of preparation or last revision

**Issue date** 01/05/2021

**Version #** 1

**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists

CA: California

CAS: Chemical Abstract Services

CEPA: Canadian Environmental Protection Act

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

CPR: Controlled Products Regulation

CSA: Canadian Standards Association

DOT: Department of Transportation

DSL: Domestic Substances List

EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System

HPA: Hazardous Products Act

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Dangerous Goods

Inh: Inhalation

LC: Lethal Concentration

LD: Lethal Dose

MA: Massachusetts

MN: Minnesota

Material name: KLONDIKE Form Release / Dust Suppressant Oil

Version #: 1 Issue date:01-05-2021

# SAFETY DATA SHEET

N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OEL: National occupational exposure limits  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PPE: Personal Protective Equipment  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RQ: Reportable Quantity  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Identification System

## Other special considerations for handling

: Provide adequate information, instruction and training for operators.

## HMIS Rating

: \* - Chronic hazard    0 - Minimal    1 - Slight    2 - Moderate    3 - Serious    4 - Severe  
*Health: 0                      Flammability: 0                      Reactivity: 0*

## NFPA Rating

0 - Minimal    1 - Slight    2 - Moderate    3 - Serious    4 - Severe  
 : *Health: 0                      Flammability: 0                      Instability: 0                      Special Hazards: None.*

## Disclaimer

The information in this document was written based on the best knowledge and experience currently available, and is offered for your consideration and guidance when exposed to this product. KLONDIKE Lubricants Corporation disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this document does not apply to use with any other product or in any other process. This document may not be changed, or altered in any way without the expressed knowledge and permission of KLONDIKE Lubricants Corporation.

## Bibliography

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2016
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2016 version.
6. California Proposition 65 List - 2016 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2016.