

MATERIAL SAFETY DATA SHEET

SECTION 01 -	MATERIAL IDE	NTIFICATION				
MATERIAL NA	ME			WH	MIS Classification: Not regulate	ed
			HEAT TRANS	SFER OIL		
Vendor:	KLEAR	GO INC.				
Address :		ois Franc				
City :	St-Laur	rent				
Prov:	Qc.					
Postal Code:	H4S 1E	31				
Tel: 514 335-65	585 Fax:51	4 335-9120				
SECTION 02 -	HAZARD IDENT	IFICATION				
	ON: Not classifie Γ OTHERWISE (HS (WHMIS 2015) Ca	nadian regulatory guidelines.	
	COMPOSITION			ENTS		
Ingredient		Conc.	CAS#	LD50 (species/route) LC50 (species/rout	te)
9					,	
Highly refined n	nineral oils					
C15-C50		60-100%	mixture	See Sect. 11	See Sect.11	
All ingredients a	are not listed as l	hazardous unde	er the Ingredient	Disclosure List (WHN	IS).	
SECTION 04 -	FIRST AID MEA	SURES				
Eye:			are required. As	a precaution, remove	contact lenses, if worn, and flus	h
01.1	eyes with water					
Skin:					clothing and shoes if contamina	ted.
	thoroughly clea		an, use soap an	a water. Discard conta	minated clothing and shoes or	
Ingestion:			are required Do	not induce vomiting	As a precaution, get medical a	dvice
Inhalation:					evels of material in the air, move	
initialation.					iratory discomfort occurs. Most	
			s, both acute an			
IMMEDIATE HE	EALTH EFFECT		-,			
Eye:			ed or significant	eye irritation.		
Skin:	Not expected to cause prolonged or significant eye irritation. Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is					
	not expected to	cause an allerg	jic skin response	e. Not expected to be	narmful to internal organs if	
	absorbed throu					
Ingestion:	Not expected to					
Inhalation:					ineral oil. May cause respirator	
					halation of oil mist at airborne	
				sure limit. Symptoms of	f respiratory irritation may inclue	de
coughing and difficulty breathing.						
DELAYED OR OTHER HEALTH EFFECTS: Not classified Indication of any immediate medical attention and special treatment needed Not Applicable						
			· · ·	nent needed inot	Applicable	
	FIRE AND EXPL					
EXTINGUISHIN			g, toam, dry c	nemical or carbon d	ioxide (CO2) to extinguish fla	ames.
	OF FIRE FIGHT			it is not ossily ignites	San Santian 7 for proper band	lling
Fire Fighting Instructions: This material will burn although it is not easily ignited. See Section 7 for proper h and storage. For fires involving this material, do not enter any enclosed or confin						
					self-contained breathing appar	
		space without		s squipment, moluum	son oontanioa bicatining appai	a.u

 KLEARGO INC.
 HEAT TRANSFER OIL

 Combustion Products:
 Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic

liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 06 - ACCIDENTAL	RELEASE MEASURES
Protective Measures:	Eliminate all sources of ignition in vicinity of spilled material.
Spill Management:	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting:	Report spills to local authorities as appropriate or required.
SECTION 07 - STORAGE AN	D HANDLING

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material in large quantities. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 08 - PREVENTIVE MEASURES

GENERAL CONSIDERATIONS: Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection:	No special eye protection is normally required. Where splashing is possible, wear
	safety glasses with side shields as a good safety practice.
Skin Protection:	No special protective clothing is normally required. Where splashing is possible,
	select protective clothing depending on operations conducted, physical
	requirements and other substances in the workplace. Suggested materials for
	protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton. Respiratory
Protection:	No respiratory protection is normally required. If user operations generate an oil mist,
	determine if airborne concentrations are below the occupational exposure limit for mineral
	oil mist. If not, wear an approved respirator that provides adequate protection from the
	measured concentrations of this material. For air-purifying respirators use a particulate
	cartridge. Use a positive pressure air-supplying respirator in circumstances where air-
	purifying respirators may not provide adequate protection.

SECTION 09 - PHYSICAL CHARACTERISTICS

Attention: the data below are typical values and do not constitute a specification.

Color:	Colorless to yellow
Physical State:	Liquid
Odor:	Petroleum odor
Odor Threshold:	No data available
pH:	Not Applicable

KLEARGO INC.	H	IEAT TRANSFER OIL		
Vapor Pressure:	1			
Initial Boiling Point:	315°C (599°F)			
Solubility:	Soluble in hyd	rocarbons; insoluble in water		
Freezing Point:	Not Applicable			
Density:	0.87 @ 20°C (68°F)		
Viscosity:	scosity: 39.2 mm2/s @ 40°C (104°F) (Min)			
Decomposition temperature: No Data Available				
Octanol/Water Partition	Coefficient:	No data available		
FLAMMABLE PROPER				
Flammability (solid, gas		No Data Available		
Flashpoint: (Cleveland	,	220 °C (428 °F) (Min)		
Autoignition:		359 °C (678 °F)		
Flammability (Explosive) Limits (% by volume in air):				
Lower: Not Applicable	,, (, c)	Upper: Not Applicable		
		-11		
SECTION 10 - DEACT				

SECTION 10 - REACTIVITY DATA May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. Reactivity: This material is considered stable under normal ambient and anticipated storage and Chemical Stability: handling conditions of temperature and pressure. Incompatibility With Other Materials: Not applicable Hazardous Decomposition Products: None known (None expected) Hazardous Polymerization: Hazardous polymerization will not occur **SECTION 11 - TOXICOLOGICAL DATA** Information on toxicological effects Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components The skin irritation hazard is based on evaluation of data for product components. Skin Skin Corrosion/Irritation: Sensitization: The skin sensitization hazard is based on evaluation of data for product components. Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components. The acute oral toxicity hazard is based on evaluation of data for product components. Acute Oral Toxicity: Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components. Acute Toxicity Estimate: Not Determined Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material. Carcinogenicity: The hazard evaluation is based on data for components or a similar material. Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material. Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material. Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. **None** of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have **not been listed** in the National Toxicology Program (NTP) Annual Report **nor have they been classified** by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3)

SECTION 12 - ECOLOGICAL DATA

ECOTOXICITY This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

MOBILITY No data available.

PERSISTENCE AND DEGRADABILITY This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. The product has not been tested. The statement has been derived from the properties of the individual components.

KLEARGO INC.

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POTENTIAL TO BIOACCUMULATE

Bioconcentration Factor: No data available. Octanol/Water Partition Coefficient: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 - TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements. TDG/DOT Shipping Description:

NOT REGULATED AS A HAZARDOUS MATERIAL

IMO/IMDG Shipping Description:

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

SECTION 15 - REGULATORY INFORMATION			
EPCRA 311/312 CATEGORIES:	 Immediate (Acute) Health Effects: NO Delayed (Chronic) Health Effects: NO Fire Hazard: NO Sudden Release of Pressure Hazard: NO Reactivity Hazard: NO 		
REGULATORY LISTS SEARCHED: 01-1=IARC Group 1 01-2A=IARC Group 2A	03=EPCRA 313 04=CA Proposition 65		

01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
-	07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Lubricating oil)

SECTION 16 - ADDITIONAL INFORMATION

 Prepared by:
 MSDS COORDINATOR

 Date:
 April 15, 2019

 Emergency TEL: (514) 339-7779
 FAX: (514) 331-2276

NOTES: N/AV = not available

N/AP = not applicable

N/D = not determined

The above given information has been collected from reputable, informed and sure sources. We offer this information to our clients in good faith and to the best of our knowledge. It is possible that additional precautions would be required for the handling, use, or storage of this product. We decline and reject all responsibility for the content, accuracy, for loses or injuries that could result due to the use of this product according, or consequent to the information supplied, or label claims

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