

MATERIAL SAFETY DATA SHEET

SECTION 1: GENERAL INFORMATION

Product Name: **Hartland Waylube Oils 68, 150, 220**

Distributor: Hartland Lubricants & Chemicals

914 Commercial Court

Onalaska, WI 54650

Information: 608-779-6353

Revision Date: November 29, 2011

24 HOUR PROFESSIONAL EMERGENCY RESOURCE SERVICES (PERS) 1-800-633-8253

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Exposure Guidelines		LO%		HI%		OSHA		ACGIH		UNIT
Component/CAS Number						TWA	STEL	TWA	STEL	
Limits for the product						5		5		MG/M3
Severely Solvent Refined Heavy Paraffinic Petroleum Oil										
64741-88-4	90.00		100.00			5		5		MG/M3
Zinc Dialkyl Dithiophosphate										
68649-42-3	.00		1.00					No Specific Limit		
Trade Secret										
	.00		5.0					No Specific Limit		

Additional Exposure Limits-----Government Regulation

Other Limit – Oil Mist: 5MG/M3 OSHA PEL/ACGIH TLV

SECTION 3: HAZARD IDENTIFICATION

Appearance: Amber Fluid

Odor: Slight Odor

Inhalation: No effects expected

Ingestion: Practically non-toxic

Eye Contact: Expected to be minor eye irritant

Skin Contact: Practically non-toxic if absorbed (LD50>2000 MG/KG). May cause moderate irritation with prolonged or repeated contact.

Carcinogen Listed By: IARC(NO) NTP(NO) OSHA9(NO) ACGIH(NO) OTHER(NO)

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air.

Eye Contact: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention.

NFPA/HMIS CLASSIFICATION

HEALTH – 0/0

FLAMMABILITY – 1/1

REACTIVITY – 0/0

HAZARD RATING

0=LEAST

2=MODERATE

4=EXTREME

1=SLIGHT

3=HIGH

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint (method): 420°F Minimum COC; 216°C Minimum COC
Flammable Limits: Not Established
Auto-ignition Temp: 675°F Estimated; 359°C Estimated
Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO₂), foam
Fire Fighting Instructions: Avoid breathing smoke and vapor.
Fire Fighting Equipment: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.
Hazardous Combustion Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon dioxide.

SECTION 6: ACIDENTAL RELEASE MEASURES

Spills or Leaks: Contain spill, advise EPA: state agency if required. Absorb on inert material, shovel, sweep or vacuum spill.

SECTION 7: HANDLING AND STORAGE

NFPA Class IIIB Storage. Wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.
Eye: Splash proof chemical goggles recommended to protect against splash of product.
Gloves: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove material is acceptable; polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.
Respirator: Concentration in air determines protection needed. Use only NIOSH certified respiratory respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full face air purifying respirator with dust/mist filter or HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure demand full face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied respirator with escape bottle or SCBA.
Other: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Amber Fluid/Slight Odor	Boiling Point: High
Vapor Pressure: <0.0001 (MM HG @20°C)	Melting Point: N/A
Molecular Weight: N/A (G/Mole)	Packing Density: N/A
Solubility in Water: NIL (% by volume)	Octanol/Water COEFF: N.D.
Evaporation Rate: 1000X Slower (Ethyl Ether=1)	Odor Threshold: N.D.
Specific Gravity: 0.86 (Water=1)	Vapor Density: 10+(air=1)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable	Conditions to Avoid: None known.
Materials to Avoid: Strong oxidizing agents.	
Hazardous Polymerization: Will not occur	
Hazardous Decomposition: Combustion will produce carbon monoxide and asphyxiates.	

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Low acute toxicity

Skin: Practically non-toxic if absorbed. Mild irritation with prolonged or repeated contact.

Eye: Mildly irritating on contact.

Oral: Practically non-toxic

Severely solvent refined heavy paraffinic petroleum oil inhalation: Low acute toxicity.

Ingestion: Practically non-toxic if swallowed.

Zinc Dialkyl Dithiophosphate: Toxic hydrogen sulfide is generated when heated above 200°F. This can cause central nervous unconsciousness, coma, respiratory failure, or death.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available

SECTION 13: DISPOSAL INFORMATION

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If "used", RCRA criteria (ignitability, reactivity, corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

SECTION 14: TRANSPORTATION INFORMATION

DOT

Proper Shipping Name: Petroleum Lubricating Oil

Hazard Class: Not regulated

ID Number: Not regulated

Label Required: Not regulated

IMDG Proper shipping name: N.D.

IATA Proper shipping name: N.D.

SECTION 15: REGULATORY INFORMATION

TSCA: This material complies with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA inventory.

SARA 302 THRESHOLD PLANNING QUANTITY

N/A

SARA 304 REPORTABLE QUANTITY

N/A

SARA 311/312 REPORTING

Health

Immediate (Acute)

No

Health

Delayed (Chronic)

No

Physical

Fire

No

Physical

Sudden Release of Pressure

No

SECTION 16: OTHER INFORMATION

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