

Hartland Lubricants & Chemicals

914 Commercial Court
Onalaska, WI 54650
608-779-6353

MATERIAL SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT IDENTIFICATION**

Product Name: **Hartland PCMO 5W20, 5W30, 10W30, 10W40, 20W50, SAE 30, SAE 40**

Chemical Name: Motor Oil

Chemical Family: Blend

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

Revision Date: November 29, 2011

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Exposure Guidelines				OSHA		ACGIH	
Component/CAS Number	LO%	HI%	TWA	STEL	TWA	STEL	UNIT
Limits for the product			5		5		MG/M3
Severely Solvent Refined Heavy Paraffinic Petroleum Oil							
64741-88-4	.00	80.00	5		5		MG/M3
Ethylene/Propylene Copolymer							
9010-79-1	10.00	15.00				No Specific Limit	
Zinc Dialkyl Dithiophosphate							
68649-42-3	2.00	2.00				No Specific Limit	
Borated Polyisobutenyl Succinic Anhydride							
	.00	10.00				No Specific Limit	
Acrylic Copolymer							
68171-46-0	.00	1.00				No Specific Limit	
Hydrotreated Heavy Paraffinic Petroleum Oil							
64742-54-7	.00	85.00					
Alkyl Diphenylamine							
27177-41-9	.00	1.00				No Specific Limit	
Polybutene							
9003-29-6	.00	1.00				No Specific Limit	
Additional Exposure Limits -----Government Regulation							
Other Limit – Oil Mist: 5MG/M3 OSHA PEL/ACGIH TLV							

SECTION 3: HAZARD IDENTIFICATION**Emergency Overview**

May cause skin irritation

Appearance: Amber Fluid Odor: Slight Odor

Potential Health Effects

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)

EMERGENCY NUMBER PERS 1-800-633-8253

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.

Skin Contact: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint (method): 383°F Minimum COC; 195°C Minimum COC

Flammable Limits: Not established

Autoignition 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 monoxide.

SECTION 6: ACCIDENTAL 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.

Personal Protection Equipment:

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 filters of 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 air 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.

Appearance/Odor: Amber Fluid/Motor oil Odor.
Vapor Pressure: <0.0001 (MM HG @ 20°C)
Molecular Weight: N/A (G/Mole)
Solubility in Water: NIL (% by volume)
Evaporation Rate: 1000X Slower (Ethyl Ether=1)
Specific Gravity: 0.86 (Water=1)
Viscosity: 55.1 SUS @ 210°F 54.5 CST @ 40°C

Boiling Point: High
Melting Point: N/A
Packing Density: N/A
Octanol/Water COEFF: N.D.
Odor Threshold: N.D.
Vapor Density: 10+ (air=1)

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.

For the Product:

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.

Butylated Phenol: No data available for all routes of exposure.

Zinc Dialkly Dithiophosphate: Toxic hydrogen sulfide is generated when heated above 200°F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, and loss of sense of smell, muscle cramps, in coordination, unconsciousness, coma, respiratory failure, or death.

Acrylic Copolymer: No data available for all routes of exposure.

2-Ethylhexanol: Overexposure may cause nose, throat irritation, nasal discomfort and discharge, chest pain, cough, headache, nausea, vomiting. May cause corneal injury. May cause abdominal discomfort, nausea, vomiting, and diarrhea.

Ecotoxicity: No data available

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

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

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.

Caution! Prolonged or repeated contact with used motor oil may be harmful to skin and could cause skin cancer. Promptly wash affected area with soap and water. WHMIS Classification: Not Controlled.

NFPA/HMIS CLASSIFICATION**HEALTH – 0/0****FLAMMABILITY – 1/1****REACTIVITY – 0/0****HAZARD RATING****0=LEAST 1=SLIGHT****2=MODERATE 3=HIGH****4=EXTREME**