

Hartland Lubricants & Chemicals
914 Commercial Court
Onalaska, WI 54650
608-779-6353

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **Hartland 4 Cycle 10W-40**
Chemical Name: Engine Oil
Chemical Family: Blend
Revision Date: November 29, 2011

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

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Exposure Guidelines	OSHA				UNIT	
Component / CAS Number	LO%	HI%	TWA	STEL	TWA	STEL
Limits for the Product			5		5	MG/M3
Base Oil-Highly Refined						
64741-88-4	45.00	50.00	5		5	MG/M3
Base Oil-Highly Refined						
64741-89-5	30.00	35.00			No Specific Limit	
Zinc Dialkyl Dithiophosphate						
68649-42-3	1.00	5.00			No Specific Limit	

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)

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.

NFPA/HMIS CLASSIFICATION

HEALTH – 0/0

FLAMMABILITY – 1/1

REACTIVITY – 0/0

HAZARD RATING

0=LEAST 1=SLIGHT

2=MODERATE 3=HIGH

4=EXTREME

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint (method): 240° C COC

Flammable Limits: Not established

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 exposure 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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: <1

Specific Gravity: 0.89 (Water=1)

Viscosity: 102 cSt @ 40° C

15.95 cSt @ 100° C

Boiling Point: >260°C (>500°F)

Melting Point: N/A

Packing Density: N/A

Octanol/Water COEFF: N.D.

Odor Threshold: N.D.

Vapor Density: <1.001 kPa

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Non known

Materials to Avoid: Strong oxidizing agents

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Combustion will product 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

Base oil – Highly Refined: Low acute toxicity

Ingestion: Practically non-toxic if swallowed

Zinc alkyl 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.

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 corrosively, toxicity characteristics) must be determined. Do not flush into 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

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 this 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

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