

## MATERIAL SAFETY DATA SHEET

### SECTION 1: GENERAL INFORMATION

Product Name: **Hartland Railroad 20W40 Engine Oil**

Distributor Name: **Hartland Lubricants & Chemicals**

2455 Commercial Drive

Sparta, WI 54656

Information: 608-487-9770

Revision Date: November 29, 2011

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

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY:	CAS NO.	CONCENTRATION
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	5.00 – 10.00 %
Zinc alkyl dithiophosphate	68649-42-3	1.00 – 5.00 %

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.  
Highly refined mineral oil and additives.

### SECTION 3: HAZARD IDENTIFICATION

#### EFFECTS OF EXPOSURE

Acute – Eyes: Not expected to cause prolonged or significant eye irritation.

Skin: Not expected to cause prolonged or significant skin irritation.

Respiratory system: Harmful concentrations of mists/vapors are unlikely through customary handling or use of this product.

Ingestion: Low order of toxicity, but may cause gastrointestinal disturbances, diarrhea. Ingestion of large amounts may cause headache, drowsiness, nausea, vomiting or diarrhea.

Chronic – Prolonged or repeated skin contact may cause skin drying, cracking, irritation, defatting and dermatitis.

AVOID SKIN CONTACT WITH USED MOTOR OILS. Used motor oils have caused skin cancer in laboratory animals when repeatedly applied and left in place between applications.

### SECTION 4: FIRST AID MEASURES

Signs/Symptoms: Transient eye irritation, redness, tearing.

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.

#### NFPA/HMIS CLASSIFICATION

HEALTH – 1/1

FLAMMABILITY – 1/1

REACTIVITY – 0/0

#### HAZARD RATING

0=LEAST 1=SLIGHT

2=MODERATE 3=HIGH

4=EXTREME

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**SECTION 5: FIRE FIGHTING MEASURES**

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Flashpoint (COC): 493°F (256°C)  
Autoignition Temperature: 608°F (320°C)  
Extinguishing Media: CO2, dry chemical, foam and water fog. Do not use water jets.  
Special Firefighting procedures: Material must be preheated to burn. Do not enter confined areas without full protective equipment; including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

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**SECTION 6: EMPLOYEE PROTECTION**

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Ventilation: No special ventilation is usually necessary. However, if operating conditions may create high airborne concentrations of this material, special or local ventilation may be needed.  
Respiratory Protection: None required under normal use. If exposure is expected to exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.  
Eye: Safety goggles or glasses  
Gloves: Wear neoprene, nitrile, polyvinylchloride, to minimize skin contact.  
Clothing: No special requirement.

AVOID PROLONGED AND REPEATED SKIN CONTACT.

Storage: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Maintain ventilation.

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**SECTION 7: PHYSICAL / CHEMICAL CHARACTERISTICS**

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Boiling Point: > 536°F (>280°C)	Specific Gravity (water=1): 0.88-0.89
Vapor Pressure (mm.Hg. @ 25°C): <0.01	Vapor Density (Air=1): > 1
Pour Point: 16°F (-9°C)	Evaporation Rate (BuAc=1): <0.1
Solubility in Water: Negligible	Freezing Point: -22°F to -40°F (-30°C to -40°C)
pH: NA	Odor Threshold: NA
Appearance/odor: amber liquid; mild petroleum odor	

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**SECTION 8: REACTIVITY**

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Stability: Stable at ambient temperatures.  
Hazardous Polymerization: Will not occur.  
Conditions and Materials to avoid: Heat, open flame and oxidizing materials.  
Hazardous combustion: Smoke, fumes, oxides of carbon.

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**SECTION 9: ENVIRONMENTAL PROTECTION**

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Spill or Leak Procedures: Product may burn but is not readily ignitable.  
Large Spills: Wear respirator and protective clothing. Stop source of leak. Prevent entry into water. Dike and contain spill. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an inert absorbent such as clay, sand or other suitable materials; store and dispose of properly. Where feasible and appropriate, remove contaminated soil.  
  
Small Spills: Soak up spill with an inert absorbent such as clay, sand or other suitable Materials; store in a closed container and dispose of properly.

Regulatory spill reporting requirements may apply; contact governmental agency for advice.

**WASTE DISPOSAL METHOD:**

If discarded as supplied, material does not meet RCRA characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40CFR 261.33. The toxicity characteristic has not been evaluated.

Under RCRA, the applicable hazardous waste classification must be evaluated prior to disposal of the material. Use of the product, processing or contamination may render the resulting material hazardous.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with governmental regulations regarding air pollution, water pollution or health.

Do not pollute – Conserve Resources. Dispose of used oil properly.

**CAUTION:** Improper disposal or reuse of the empty container may be hazardous and illegal. Cutting or welding of empty containers may cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place. Refer to applicable governmental regulations.

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**SECTION 10: REGULATORY INFORMATION**

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**TRANSPORTATION**

Special shipping information/DOT Proper shipping name: Not regulated

**CHEMICAL CONTROL REGULATIONS**

TSCA Status: All components of this material appear on the Toxic Substance Control Act Chemical Substances Inventory.

CEPA Status: All components of this material appear on the Domestic Substances Lists.

**WHMIS CLASSIFICATION**

Material is not a controlled product.

**EPCRA (SARA Title III):**

Section 302/304 Extremely Hazardous Substance: NA

CERCLA Section 102a Hazardous Substance: NA

Section 311 Hazard Category: NA

Section 313 Toxic Release Inventory Chemical/Category: Zinc compounds, 3.0 %(wt.) max.

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**SECTION 11: OTHER INFORMATION**

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