

**Hartland Lubricants & Chemicals**

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**MATERIAL SAFETY DATA SHEET**

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**SECTION 1: GENERAL INFORMATION**

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Product Name: **Hartland GL-1 Gear Oils 90, 140, 250**

Revision Date: November 29, 2011

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

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**SECTION 2: INGREDIENTS / IDENTITY INFORMATION**

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CAS #	COMPONENT	PERCENT
N/A	ADDITIVES	<1
64742-52-5	PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	BLEND
64741-95-3	RESIDUAL OILS, PETROLEUM, SOLVENT DEASPHALTED BLEND	

COMPONENT INFORMATION/INFORMATION ON NON-HAZARDOUS COMPONENTS  
THE MAXIMUM PERCENTAGE OF THE PETROLEUM DISTILLATE AND /OR RESIDUAL OIL BLEND  
CONTAINED IN THIS PRODUCT IS 100%. ALL MINERAL OILS USED IN THIS PRODUCT HAVE  
BEEN SEVERELY HYDROTREATED AND/OR SOLVENT REFINED. OTHER COMPONENTS IN THIS  
PRODUCT ARE CONSIDERED NON-HAZARDOUS UNDER THE CRITERIA SPECIFIED IN 29CFR  
1910.1200. (HAZARD COMMUNICATION STANDARD).

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

PRODUCT IS A NON-FLAMMABLE PETROLEUM DISTILLATE MIXTURE. IRRITATION AND TOXIC  
VAPORS MAY BE RELEASED UPON COMBUSTION OF PRODUCT. EXTINGUISH FIRE WITH  
CARBON DIOXIDE, DRY CHEMICAL, FOAM OR WATER FOG. OIL MISTS MAY BE IRRITATION TO  
THE RESPIRATORY SYSTEM AND SKIN.

**HAZARD STATEMENTS:** N/A**EYES:** THIS PRODUCT MAY CAUSE IRRITATION TO THE EYES.**SKIN**

PROLONGED AND REPEATED SKIN CONTACT WITH THIS PRODUCT MAY CAUSE  
IRRITATION/DERMATITIS.

**INGESTION**

THIS PRODUCT IS RELATIVELY NON-TOXIC BY INGESTION. INGESTION CAN CAUSE  
GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. SMALL AMOUNTS OF  
THIS PRODUCT, IF ASPIRATED INTO THE LUNGS, MAY CAUSE MILD TO SEVERE PULMONARY  
INJURY, POSSIBLY DEATH.

**INHALATION**

LOW VAPOR PRESSURE MAKES INHALATION UNLIKELY AT STANDARD TEMPERATURES AND  
PRESSURES. INHALATION OF OIL MISTS OR FUMES CAN CAUSE IRRITATION OF THE NOSE,  
THROAT AND UPPER RESPIRATORY TRACT. REPEATED AND PROLONGED OVEREXPOSURE  
TO OIL MISTS MAY RESULT IN DROPLET DEPOSITION, OIL GRANULOMA FORMATION,  
INFLAMMATION AND INCREASED INCIDENCE OF INFECTION.

**HMIS RATINGS:** HEALTH-1, FIRE-1, REACTIVITY-0, PERS. PROT. - SAFETY GLASSES, GLOVES

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## SECTION 4: FIRST AID MEASURES

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**EYES:** FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF EYE IRRITATION DEVELOPS OR PERSISTS.

**SKIN:** REMOVE CONTAMINATED CLOTHING. FOR SKIN CONTACT, WASH IMMEDIATELY WITH SOAP AND WATER. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**INGESTION:** DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

**INHALATION:** IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. IF OVERCOME BY VAPOR FROM HOT PRODUCT, IMMEDIATELY REMOVE TO FRESH AIR AND CALL A PHYSICIAN. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION.

**NOTES FOR PHYSICIAN:** PULMONARY ASPIRATION HAZARD IF SWALLOWED; TREAT SYMPTOMATICALLY.

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## SECTION 5: FIRE FIGHTING MEASURES

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**FLASH POINT:** NOT AVAILABLE BUT GREATER THAN 400 F (204 C) BASED ON COMPONENTS

**FLAMMABILITY:** NON-FLAMMABLE

### GENERAL FIRE HAZARDS

PRODUCT IS A NON-FLAMMABLE PETROLEUM DISTILLATE MIXTURE. MIST OR SPRAY MAY BE FLAMMABLE BELOW THE PRODUCTS NORMAL FLASH POINT.

### HAZARDOUS COMBUSTION PRODUCTS

UPON DECOMPOSITION, THIS PRODUCT EMITS CARBON MONOXIDE, CARBON DIOXIDE AND LOW MOLECULAR WEIGHT HYDROCARBONS.

### EXTINGUISHING MEDIA

USE DRY CHEMICAL, CARBON DIOXIDE, WATER FOG AND FOAM TO EXTINGUISH THE FIRE. WATER FOG AND FOAM MAY CAUSE FROTHING AND SPATTERING ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL AND TO PROTECT PERSONNEL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO FLUSH SPILLS AWAY FROM EXPOSURES.

### FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. FIREFIGHTERS SHOULD AVOID INHALING ANY COMBUSTION PRODUCTS.

**NFPA RATINGS:** HEALTH-1, FIRE-1, REACTIVITY-0

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### CONTAINMENT PROCEDURES

STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK.

### CLEAN-UP PROCEDURES

ABSORB WITH NON-FLAMMABLE SUITABLE ABSORBENT SUCH AS SAND OR EARTH. SCOOP UP USED ABSORBENT INTO DRUMS OR OTHER APPROPRIATE CONTAINER.

### EVACUATION PROCEDURES

PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED.

### SPECIAL PROCEDURES

ELIMINATE ALL SOURCES OF IGNITION OR FLAMMABLES THAT MAY COME INTO CONTACT WITH A SPILL OF THIS MATERIAL. SURFACES MAY BECOME SLIPPERY AFTER SPILLAGE. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEAN UP. DO NOT ALLOW THE SPILLED PRODUCT TO ENTER PUBLIC DRAINAGE SYSTEMS OR OPEN WATER COURSES.

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## SECTION 7: HANDLING AND STORAGE

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### HANDLING PROCEDURES

AVOID PROLONGED OR REPEATED SKIN CONTACT WITH THIS MATERIAL. AVOID THE GENERATION OF OIL MISTS. USE THIS PRODUCT WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

### STORAGE PROCEDURES

DO NOT STORE NEAR HEAT, SPARKS, OPEN FLAME OR STRONG OXIDIZING AGENTS. DO NOT STORE THIS MATERIAL IN OPEN OR UNLABELED CONTAINERS. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND 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.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

IF OIL MISTS ARE GENERATED, OBSERVE THE OSHA EXPOSURE LIMIT OF 5mg/m<sup>3</sup>.

### ENGINEERING CONTROLS

USE GENERAL VENTILATION AND USE LOCAL EXHAUST, WHERE POSSIBLE, IN CONFINED OR ENCLOSED SPACES. ADDITIONAL AREA VENTILATION OR LOCAL EXHAUST MAY BE REQUIRED TO MAINTAIN AIR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES:** WEAR SAFETY GLASSES. WEAR CHEMICAL GOGGLES OR FACESHIELD IF SPASH OR MIST OCCURS

**SKIN:** USE IMPERVIOUS GLOVES FOR PROLONGED CONTACT. WEAR OIL-IMPERVIOUS GARMENTS IF CONTACT IS UNAVOIDABLE.

**RESPIRATORY:** IF MIST IS GENERATED (HEATING, SPRAYING) AND ENGINEERING CONTROLS ARE NOT SUFFICIENT, WEAR APPROVED ORGANIC VAPOR RESPIRATOR SUITABLE FOR OIL MIST.

**GENERAL:** USE GOOD HYGIENE WHEN HANDLING PETROLEUM PRODUCT. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. EXCESSIVE MISTING MAY CAUSE SLIPPERY FLOORS – WEAR APPROPRIATE FOOTWEAR. EYE WASH FOUNTAINS ARE RECOMMENDED.

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## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

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**APPEARANCE:** AMBER

**PHYSICAL STATE:** LIQUID

**VAPOR PRESSURE:** N/A

**BOILING POINT:** N/A

**SOLUBILITY (H<sub>2</sub>O):** NEGLIGIBLE

**ODOR:** PETROLEUM

**PH:** N/A

**VAPOR DENSITY:** N/A

**MELTING POINT:** N/A

**SPECIFIC GRAVITY:** .92 @ 60 F

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## SECTION 10: CHEMICAL STABILITY & REACTIVITY INFORMATION

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**CHEMICAL STABILITY:** STABLE

**CHEMICAL STABILITY: CONDITIONS TO AVOID:** AVOID FORMATION OF MISTS

**INCOMPATIBILITY:** THIS PRODUCT MAY REACT WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION:** AT THERMAL DECOMPOSITION TEMPERATURES, CARBON MONOXIDE AND CARBON DIOXIDE.

**HAZARDOUS POLYMERIZATION:** HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**ACUTE TOXICITY****A: GENERAL PRODUCT INFORMATION**

NO DATA AVAILABLE ON THE PRODUCT AS A WHOLE. BASED ON SIMILAR MATERIALS, THIS PRODUCT IS EXPECTED TO HAVE A LOW ORDER OF ACUTE ORAL AND DERMAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY AND POSSIBLY DEATH

**B: COMPONENT ANALYSIS – LD50**

NO INFORMATION IS AVAILABLE.

**CARCINOGENICITY****A: GENERAL PRODUCT INFORMATION**

NO DATA AVAILABLE ON THE PRODUCT AS A WHOLE

**B: COMPONENT CARCINOGENICITY**

ACGIH, IARC, OSHA, NIOSH, OR NTP LIST NONE OF THIS PRODUCT'S COMPONENTS.

**EPIDEMIOLOGY**

NO DATA AVAILABLE ON THE PRODUCT AS A WHOLE

**NEUROTOXICITY**

NO DATA AVAILABLE ON THE PRODUCT AS A WHOLE

**TERATOGENICITY**

NO DATA AVAILABLE ON THE PRODUCT AS A WHOLE

**OTHER TOXICOLOGICAL INFORMATION**

THE PRODUCT CONTAINS A BLEND OF PETROLEUM DISTILLATES AND RESIDUAL OILS, ALL OF WHICH HAVE BEEN SOLVENT REFINED OR SEVERELY HYDROTREATED. THE PETROLEUM DISTILLATE AND RESIDUAL OIL BLEND CONSISTS OF ONE OR MORE OF THE COMPONENTS IDENTIFIED BY CAS NUMBER IN SECTION 2. SINCE THESE COMPONENTS VARY WITH AVAILABILITY OF MATERIALS, THEIR PERCENTAGE IS NOTED AS "BLEND".

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICITY**

NO INFORMATION IS AVAILABLE.

**ENVIRONMENTAL FATE**

NO INFORMATION IS AVAILABLE. KEEP PRODUCT OUT OF SEWERS AND WATERWAYS.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**US EPA WASTE NUMBER & DESCRIPTIONS****A: PRODUCT INFORMATION**

PRODUCT AS SHIPPED DOES NOT MEET THE DEFINITION OR CHARACTERISTICS OF A HAZARDOUS WASTE. USER MUST TEST WASTE USING METHODS DESCRIBED IN 40 CFR PART 261 TO DETERMINE IF IT MEETS APPLICABLE DEFINITIONS OF HAZARDOUS WASTES.

**B: COMPONENT WASTE NUMBERS**

NO INFORMATION AVAILABLE

**DISPOSAL INSTRUCTIONS**

DISPOSE OF WASTE MATERIAL ACCORDING TO LOCAL, STATE, FEDERAL, AND PROVINCIAL ENVIRONMENTAL REGULATIONS. MATERIAL SHOULD BE RECYCLED IF POSSIBLE.

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**SECTION 14: TRANSPORTATION INFORMATION**

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**US DOT INFORMATION**

SHIPPING NAME: NOT CLASSIFIED AS A HAZARDOUS MATERIAL

HAZARD CLASS: N/A

UN/NA#: N/A

PACKING GROUP: N/A

REQUIRED LABEL: NONE

**INTERNATIONAL TRANSPORTATION REGULATIONS**

NOT REGULATED AS DANGEROUS GOODS

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**SECTION 15: REGULATORY INFORMATION**

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**US FEDERAL REGULATIONS****A: GENERAL PRODUCT INFORMATION**

THIS PRODUCT MAY BE CLASSIFIED AS OIL UNDER SECTION 311 OF THE CLEAN WATER ACT, IN ADDITION, UNDER THE OIL POLLUTION ACT. DISCHARGES OF SPILLS INTO OR LEADING TO SURFACE WATER THAT CAUSE SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (800-424-8802). ALL COMPONENTS OF THE PRODUCT ARE LISTED ON THE U.S. EPA TSCA INVENTORY.

**B: COMPONENT ANALYSIS**

NONE OF THIS PRODUCT'S COMPONENTS IS LISTED UNDER SARA SECTION 302 (40 CFR 355 APPENDIX A), SARA SECTION 313 (40 CFR 372.65), OR CERCLA (40 CFR 302.4).

**STATE REGULATIONS****A: GENERAL PRODUCT INFORMATION**

OTHER STATE REGULATIONS MAY APPLY.

**B: COMPONENT ANALYSIS – STATE**

NO INFORMATION IS AVAILABLE.

**OTHER REGULATIONS****A: GENERAL PRODUCT INFORMATION**

ALL KNOWN (NON-PROPRIETARY) COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EINECS INVENTORY OF EXISTING CHEMICALS.

**B: COMPONENT ANALYSIS – INVENTORY COMPONENT**

	CAS#	TSCA	DSL	EINECS
PETROLEUM DISTILLATES, HYDROTREATED	64742-52-5	YES	YES	YES
HEAVY NAPHTHIC RESIDUAL OILS, PETROLEUM, SOLVENT	64741-95-3	YES	YES	YES
DEASPHALTED				

**C: COMPONENT ANALYSIS – WHMIS IDL**

NO INFORMATION IS AVAILABLE

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**SECTION 16: OTHER INFORMATION**

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THIS INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE. HOWEVER, NO REPRESENTATION, WARRANTY, OR GUARANTEE IS MADE TO ITS ACCURACY, RELIABILITY, OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.