



## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION

**Product Name:** SPL™ Full Synthetic Gear Lubricants  
75w90 GL-1, 75w140 GL-1,  
75w90 GL-5, 75w142 GL-5

**Manufacturer:**  
Intercontinental Lubricants Corp./  
Spectro Oils of America  
993 Federal Road  
Brookfield, CT 06804  
(203) 775-1291 Fax: (203) 775-8720

MSDS Date of Preparation: 8/26/98

### SECTION 2 PRODUCT COMPONENTS

<u>INGREDIENTS</u>	<u>CAS#.</u>	<u>WT.%</u>	<u>EXPOSURE LIMITS</u>
Synthetic Oils	68037-01-4	60-80	None Established
Proprietary Additives	Proprietary	30-40	None Established

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

The transmission gear oils (GL-1) are lime green colored liquids with a mild petroleum odor. The differential gear oils (GL-5) are red colored liquids with a mild petroleum odor. They are all a slight fire hazard (Flash Point 200-208°F). May cause mild eye and skin contact. Accidental ingestion may cause gastrointestinal effects with nausea and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

#### HEALTH HAZARDS:

**INHALATION:** Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness and nausea. Breathing high concentrations of oil mists may cause lipid pneumonia.

**SKIN CONTACT:** Prolonged or repeated contact may cause mild irritation or dryness.

**EYE CONTACT:** May cause mild irritation.

**INGESTION:** Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause lipid pneumonia.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Repeated skin contact may cause dermatitis.

**CARCINOGENICITY:** None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with chronic skin diseases may be at increased risk from exposure to this material.

### SECTION 4 EMERGENCY and FIRST AID PROCEDURES

**EYE CONTACT:** Immediately flush eye with water for at least 15 minutes while lifting the upper and lower lids. Get medical attention.

**SECTION 4 EMERGENCY and FIRST AID PROCEDURES (continued)**

**SKIN CONTACT:** Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops.

**INHALATION:** Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

**INGESTION:** Do not induce vomiting. Get immediate medical attention by calling a Poison Control Center or hospital emergency department.

**SECTION 5 FIRE and EXPLOSION HAZARD DATA**

**FLASH POINT:** 75w90 GL-1: 200°F/93°C                      75w140 GL-1: 208°F/98°C  
75w90 GL-5: 203°F /95°C                                      75w140 GL-5: 206°F /96°C

**METHOD:** COC

**FLAMMABLE LIMITS:** (vol % in air) Not established

**AUTOIGNITION TEMPERATURE:** Not established

**EXTINGUISHING MEDIA:** Water spray or fog, foam, carbon dioxide, dry chemical.

**SPECIAL FIREFIGHTING PROCEDURES:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** At elevated temperatures containers may rupture. Use of large amount of water may cause product to float and spread fire.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate protective equipment. Dike spill and collect into closable containers for disposal with an inert absorbent. Prevent entry in storm sewers and waterways. Report spill as required by local and federal regulations.

**SECTION 7 HANDLING and STORAGE**

Avoid eye and prolonged/repeated skin contact. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use. Discard oil soaked shoes and other items that cannot be laundered.

Protect containers from physical damage. Store in a cool area away from oxidizers. Empty containers retain product residues. Do not cut, weld, braze, etc. on or near empty containers. Follow all MSDS precautions in handling empty containers.

**SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** None needed under normal use conditions with adequate ventilation. If the TLV is exceeded use a NIOSH approved respirator with organic vapor cartridges and a particulate pre-filter (R or P series). For higher concentrations (greater than 10 times the TLV) a NIOSH approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**VENTILATION:** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

**SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION (continued)**

**GLOVES:** Rubber, neoprene or other impervious gloves are recommended where prolonged or repeated skin contact is likely.

**EYE PROTECTION:** Safety glasses or goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** Impervious apron, boots and other clothing are recommended if needed to avoid prolonged/repeated skin contact. Suitable washing facilities should be available.

**SECTION 9 PHYSICAL and CHEMICAL PROPERTIES**

**BOILING POINT (@ 760 mmHg):** Not determined  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.87  
**VAPOR PRESSURE (@ 20 C mm Hg):** Not determined  
**EVAPORATION RATE :** Not determined  
**APPEARANCE AND ODOR:** Lime green (GL-1) or red (GL-5) liquid, mild petroleum odor.

**MELTING POINT:** Not available  
**VOLATILE:** Not applicable  
**(VAPOR DENSITY (AIR=1):** Not determined  
**COEFFICIENT OF WATER/OIL:** Not available

**SECTION 10 STABILITY and REACTIVITY**

**STABILITY:** This material is stable.

**CONDITIONS TO AVOID:** Avoid excessive heat.

**INCOMPATIBILITY:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon monoxide, carbon dioxide and hydrocarbon fragments.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY VALUES:** Product: Oral rat LD50 > 5 g/kg  
Skin rabbit LD50 >2 g/kg

None of the components is listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

None of the components have been found to be mutagenic.

None of the components are known to cause sensitization in animals or humans.

None of the components are known to cause adverse reproductive effects or teratogenic effects in animals or humans.

**SECTION 12: ECOLOGICAL INFORMATION**

There is no ecotoxicity data available for this product at this time.

**SECTION 13: DISPOSAL INFORMATION**

**WASTE DISPOSAL METHOD:** Dispose in accordance with all local, state and federal regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT SHIPPING DESCRIPTION :** Not Regulated  
**DOT HAZARD CLASSIFICATION:** None  
**DOT LABELS REQUIRED (49CFR172.101):** None  
**UN NUMBER:** None

**SECTION 15: REGULATORY INFORMATION**

**OSHA HAZARD CLASSIFICATION:** Not Hazardous

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**SECTION 15: REGULATORY INFORMATION (continued)**

**EPA SARA 311 HAZARD CLASSIFICATION:** Not Hazardous.

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313:  
None

**WHMIS CLASSIFICATION:** Not a controlled product.

**EU CLASSIFICATION:** Not a dangerous preparation.

**EU RISK AND SAFETY PHRASES:** None

**TOXIC SUBSTANCES CONTROL ACT:** All of the components of this product are listed on the TSCA inventory.

**CALIFORNIA PROPOSITION 65:** This product is not known to contain any chemicals which are known to the State of California to cause cancer or reproductive harm.

**EEC EINECS:** All of the ingredients are listed on the EINECS inventory.

**Australia:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

**Canada:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

<b>SECTION 16: OTHER INFORMATION</b>
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NFPA Rating: Health: 0      Fire: 1      Reactivity: 0