



## Safety Data Sheet

### SECTION 1 IDENTIFICATION

**Product Name:** Spectro® Golden 4

**Product Code:** GS41030, GS41040, GS41550, GS42040, GS42050

**Product Use:** Engine Oil

**Restrictions on Use:** Use only as directed

**Manufacturer:**

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

**SDS Date of Preparation:** 12/1/14

### SECTION 2 HAZARDS IDENTIFICATION

**Classification:**

Physical	Health
Not Hazardous	Not Hazardous

**Label Elements:**

Not required

### SECTION 3 PRODUCT COMPONENTS

Chemical Name	CAS#	Concentration
Severely Refined Petroleum Oils	64741-88-4 64742-01-4	70-90%
Synthetic Base Oils	Proprietary	1-10%
Proprietary Additives	Proprietary	1-10%
Zinc Alkyl Dithiophosphate	113706-15-3	<1%

See Section 16 for further information on EU Classification.

### SECTION 4 EMERGENCY and FIRST AID PROCEDURES

**EYE CONTACT:** Flush eye with water for several minutes holding the eyelids apart. Get medical attention if irritation persists.

**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 irritation develops or breathing is difficult, get medical attention.

**INGESTION:** Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**Most important symptoms/effects, acute and delayed:** May cause mild eye irritation. Prolonged skin contact may cause irritation. Excessive inhalation of vapor or mists may cause upper respiratory tract irritation and central nervous system effects. Swallowing may cause nausea, vomiting and diarrhea.

**Indication of immediate medical attention and special treatment, if necessary:** None required under normal conditions of use.

#### SECTION 5 FIRE and EXPLOSION HAZARD DATA

**Suitable extinguishing media:** Water fog, foam, carbon dioxide, dry chemical.

**Specific hazards arising from the chemical:** Not classified as a combustible liquid but will burn under fire conditions. At elevated temperatures containers may rupture. Use of large amounts of water may cause product to float and spread fire. Combustion may produce carbon, nitrogen and sulfur oxides and hydrogen sulfide.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective equipment. Wash thoroughly after handling.

**Environmental hazards:** Avoid release into the environment. Report spill as required by local and federal regulations.

**Methods and materials for containment and cleaning up:** Dike spill and collect with an inert absorbent and place into closable containers for disposal.

#### SECTION 7 HANDLING and STORAGE

**Precautions for safe handling:** Avoid contact with eyes and prolonged or repeated contact with skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

**Conditions for safe storage, including any incompatibilities:** Store in a cool area away from oxidizing agents. Protect containers from physical damage.

Empty containers retain product residues. Do not cut, weld, braze, etc. on or near empty containers. Follow all SDS precautions in handling empty containers.

#### SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

##### Exposure Guidelines:

<b>Chemical Name</b>	<b>CAS#.</b>	<b>Exposure Limits</b>
Severely Refined Petroleum Oils	64741-88-4	5 mg/m <sup>3</sup> TWA OSHA PEL
Synthetic Base Oils	64742-01-4	5 mg/m <sup>3</sup> TWA ACGIH TLV (inhalable)
Proprietary Additives	Proprietary	5 mg/m <sup>3</sup> TWA Manufacturer
Zinc Alkyl Dithiophosphate	113706-15-3	None Established
		None Established

**Appropriate engineering controls:** 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.

**Respiratory protection:** None needed under normal use conditions with adequate ventilation. If exposures are excessive, use a NIOSH approved respirator with organic vapor cartridges and particulate pre-filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

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

**Eye protection:** Safety glasses or goggles if splashing is possible.

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

<b>SECTION 9 PHYSICAL and CHEMICAL PROPERTIES</b>
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**Appearance (physical state, color, etc.):** Light amber liquid

**Odor:** Mild petroleum odor.

<b>Odor threshold:</b> Not available	<b>pH:</b> Not available
<b>Melting point/Pourpoint:</b> Not available	<b>Boiling Point:</b> Not available
<b>Flash point:</b> 10W30: 320°F / 160°C 10W40: 420.8°F / 216°C 15W50: 473°F / 245°C 20W50: 446°F / 230°C	<b>Viscosity:</b> 10W30: 79.5 cSt @ 40°C 10W40: 97.2 cSt @ 40°C 15W50: 138 cSt @ 40°C 20W50: 155 cSt @ 40°C
<b>Flammability (solid, gas):</b> Not applicable	
<b>Flammable limits: LEL:</b> Not available	<b>UEL:</b> Not available
<b>Vapor pressure:</b> Not available	<b>Vapor density (air =1):</b> Not available
<b>Relative density:</b> 0.876	<b>Solubility(ies):</b> Not available
<b>Partition coefficient: n-octanol/water:</b> Not available	<b>Auto-ignition temperature:</b> Not available
<b>Decomposition temperature:</b> Not available	<b>Evaporation rate:</b> Not available

<b>SECTION 10 STABILITY and REACTIVITY</b>
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**Reactivity:** This product is not expected to react.

**Chemical stability:** The product is stable.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** Avoid excessive heat.

**Incompatible materials:** Avoid strong oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon, nitrogen and sulfur oxides and hydrogen sulfide.

<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>
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**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. Repeated skin contact may cause dermatitis.

**Eye Contact:** May cause mild irritation.

**Ingestion:** Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

**Chronic Effects of Overexposure:** Used motor oils have been found to cause skin cancer in skin painting studies with laboratory animals.

**Sensitization:** None of the components have been found to cause sensitization in animals or humans.

**Mutagenicity:** This product is not expected to cause mutagenic activity.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

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

**ACUTE TOXICITY VALUES:**

**Acute Toxicity Estimates:** Oral: 333,333 mg/kg, Dermal >2000 mg/kg

Severely Refined Petroleum Oils : Oral rat LD50 > 2000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Synthetic Base Oils: Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg, Inhalation rat LC50 >5 mg/L

Proprietary Additives: No toxicity data available

Zinc Alkyl Dithiophosphate: Oral rat LD50 2600 mg/kg, Dermal rabbit LD50 >3160 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Severely Refined Petroleum Oils : 96 hr LL50 Pimephales promelas > 100 mg/L, 48 hr EL50 daphnia magna > 10000 mg/L

Synthetic Base Oils: 96 hr LL50 Pimephales promelas > 100 mg/L, 48 hr EL50 daphnia magna > 10000 mg/L

Proprietary Additives: No toxicity data available

Zinc Alkyl Dithiophosphate: 96 hr LC50 Oncorhynchus mykiss 4.5 mg/l, 48 hr EL50 daphnia magna 5.4 mg/L, 96 hr EbC50 Selenastrum capricornutum 2.1 mg/l (structurally similar chemical)

**Persistence and degradability:** Severely refined petroleum oils and zinc alkyl dithiophosphate are not readily biodegradable. Synthetic base oils are inherently biodegradable.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** The product may float and can migrate from water to land.

**Other adverse effects:** None known.

**SECTION 13: DISPOSAL INFORMATION**

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

**SECTION 14: TRANSPORTATION INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			

<b>IMDG</b>		Not Regulated			
<b>IATA</b>		Not Regulated			

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

<b>SECTION 15: REGULATORY INFORMATION</b>
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**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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

**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:

Zinc Alkyl Dithiophosphate	113706-15-3	<1
Zinc Compounds		

**California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity:

Benzene	71-43-2	<57 ppm	Cancer, developmental, male reproductive toxicity
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**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

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

**Canada CEPA:** All of the components of this product are listed on the Canadian Domestic Substances List. This product has been classified in accordance with the hazard criteria in the CPR and the SDS contains all the information required by the CPR.

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

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

Revision History:

11/19/13: Section 1 Name, Section 2 Emergency Overview, Section 3 Composition, Section Occupational Exposure Limits, Section 9 Flashpoint, Viscosity.  
 12/1/14: Converted to GHS format. All section revised