



SDS# 2066-C
Product Code: HDP25
Date of Preparation: 12/4/17

Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Spectro® Oils Heavy Duty Platinum 20w50

Product Code: HDP25

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

Emergency Phone (Infotrac): 1 (800) 535-5053 (US and Canada)
1 (352) 323-3500 (International)

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SECTION 2: HAZARDS IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Eye irritation Category 2

Label Elements:



Warning!

H319 Causes serious eye irritation.

Precautionary Phrases:

P264 Wash thoroughly after handling.

P280 Wear eye protection and face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical attention.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Synthetic Base Oils	Proprietary	60-90%
Proprietary Additives	Proprietary	1-10%
Zinc Alkyl Dithiophosphate	Proprietary	<2%

The specific identity and/or exact percentage has been withheld as a trade secret.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

Eye Contact: Flush eye with water for several minutes, holding the eyelids open. 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 or persists.

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. Never give anything by mouth to an unconsciousness person. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes eye irritation. Prolonged skin contact may cause irritation. Excessive inhalation of vapor or mists may cause upper respiratory tract irritation. 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 spray or fog, foam, carbon dioxide, dry chemical.

Specific hazards arising from the chemical: 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, sulfur, phosphorous and zinc oxides, and hydrocarbon fragments.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and 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 into closable containers for disposal with an inert absorbent. Prevent entry in storm sewers and waterways.

SECTION 7 HANDLING and STORAGE

Precautions for safe handling: Avoid contact with eyes and prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before reuse. Discard oil soaked shoes and other items than cannot be laundered.

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:

INGREDIENTS	EXPOSURE LIMITS
Synthetic Oils*	5 mg/m3 TWA Manufacturer
Proprietary Additives	None Established
Zinc Alkyl Dithiophosphate	None Established

Appropriate engineering controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive 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 eye contact is possible.

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

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Amber liquid.

Odor: Petroleum odor.

Odor threshold: Not available	pH: Not available
Melting point/Pourpoint: -9.4°F / -23°C	Boiling Point: Not available
Flash point: 446°F / 230°C	Evaporation rate: Not available
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not available	Vapor density: Not available
Relative density: Not available	Solubility(ies): Insoluble in water
Partition coefficient: n-ctanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: 148 cSt @40°C

SECTION 10 STABILITY and REACTIVITY

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, sulfur, phosphorous and zinc oxides, and hydrocarbon fragments.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Hazards:

Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation.

Skin Contact: Prolonged or repeated contact may cause mild irritation or dryness. Zinc alkyl dithiophosphate and proprietary additives have been shown to cause irritation to rabbit skin.

Eye Contact: Causes eye irritation with redness, tearing and stinging. Zinc alkyl dithiophosphate has been shown to be corrosive to rabbit eyes. Proprietary additives have been shown to cause eye irritation.

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

Chronic Effects of Overexposure: No adverse chronic effects are expected.

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, ACGIH or OSHA.

Acute Toxicity Values:

Synthetic Oils: Oral rat LD50 >5000 mg/kg; Dermal rabbit LD50 >2000 mg/kg:

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:

Synthetic Oils: No data available

Proprietary Additives: No data available

Zinc alkyl dithiophosphate: 96 hr LL50 *Oncorhynchus mykiss* 4.5 mg/L, 48 hr EL50 *daphnia magna* 23 mg/L, 72 hr EL50

Desmodesmus subspicatus 21 mg/L

Persistence and degradability: Synthetic base oils are inherently biodegradable. Zinc alkyl dithiophosphate is not readily 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			

IMDG		Not Regulated			
IATA		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.

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA SARA 311 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372):

Zinc Alkyl Dithiophosphate (zinc compounds)	Proprietary	<2%
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California Proposition 65: This product contains the following chemicals which are known to the State of California to cause cancer or reproductive toxicity:

trace metals	Proprietary	<9 ppm	Cancer, developmental, male and female reproductive toxicity
benzene	71-43-2	<9 ppm	cancer, developmental, male reproductive toxicity

International Chemical Inventories

Australia AICS: All of the components are listed on the Australian Inventory of Chemical Substances.

Canada DSL: All of the components are listed on the Canadian Domestic Substances List.

China: All the components are listed on Inventory of Existing Chemical Substances in China.

Japan: All the components are listed in the Japanese Existing and New Chemical Substances Inventory.

Korea: All the components are listed on the Korean Existing Chemical List.

Philippines: All the components are listed on the Philippine Inventory of Chemical and Chemical Substances inventory.

US EPA Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

Revision Summary:

11/03/17 Convert to GHS – All sections revised

12/4/17: Section 1 Product Name