

Material Safety Data Sheet

SECTION 1 IDENTIFICATION

**Product Name: GOLDEN SPECTRO®
Supreme DOT 4 Brake Fluid**

**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: 8/21/98

SECTION 2 PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT.%	EXPOSURE LIMITS
Mixture of polyalkylene glycol ethers, polyalkylene glycol ether borate esters, and inhibitors	Proprietary	100%	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a clear amber colored liquid with an ethereal odor. Slight fire hazard (Flash Point 250-365°F). May cause mild eye irritation. Accidental ingestion of large amounts may cause gastrointestinal effects with nausea and diarrhea. Swallowing large amounts may cause central nervous system depression, kidney damage and metabolic acidosis. Prolonged or repeated skin contact may cause irritation.

HEALTH HAZARDS:

INHALATION: Vapors are unlikely due to physical properties.

SKIN CONTACT: Prolonged or repeated contact may cause irritation or dryness of the skin.

EYE CONTACT: May cause mild irritation.

INGESTION: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea. Swallowing large amounts may cause central nervous system depression, kidney damage and metabolic acidosis.

CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged or repeated skin contact may cause irritation.

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.

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 ill effects occur and 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: 284°F/140°C

METHOD: COC

FLAMMABLE LIMITS: (vol % in air) Not established

AUTOIGNITION TEMPERATURE: Greater than 572°F

EXTINGUISHING MEDIA: Water 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. Do not use a direct stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixtures with air.

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.

SECTION 7 HANDLING and STORAGE

Avoid eye and prolonged/repeated skin contact. Wash thoroughly after handling. Do not eat, drink or smoke while using this product. Use only with adequate ventilation. Keep away from excessive heat or open flames. Remove contaminated clothing and launder before re-use. Discard contaminated shoes and other items that cannot be laundered.

Protect containers from physical damage. Store in a cool, well ventilated area. 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.

GLOVES: Chemical resistant gloves such as rubber or PVC 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): Greater than 500°F
SPECIFIC GRAVITY (H₂O=1): 1.05-1.08
VAPOR PRESSURE (@ 20 C mm Hg): <3 mm Hg @ 20°C
EVAPORATION RATE : Not determined
APPEARANCE AND ODOR: Clear amber liquid, ethereal odor.

MELTING POINT: <58°F (260°C)
VOLATILE: Not determined
(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: Mineral oil fluid
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide, nitrogen oxides and unidentified organic and inorganic compounds.
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.

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

SECTION 15: REGULATORY INFORMATION (continued)

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.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 1 Fire: 1 Reactivity: 0