

Material Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: SPECTRO SX[®] 101 Lubricant Aerosol

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: 8/24/98

SECTION 2 PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT.%	EXPOSURE LIMITS
Petroleum Oils (OSHA/ACGIH)	64742-65-0	20-60%	5 mg/m ³ TWA
	64742-56-9		
Stoddard Solvent	8052-41-3	30-50%	100 ppm TWA (ACGIH)
	8008-20-6		500 ppm TWA (OSHA)
Carbon Dioxide	124-38-9	1-5%	5,000 ppm TWA (OSHA/ACGIH) 30,000 ppm STEL (ACGIH)

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a light brown liquid with a mild petroleum odor. Flammable aerosol (Flash Point 100°F). May cause eye and skin irritation. Breathing vapors may cause respiratory irritation and central nervous system effects including headache, dizziness, nausea, drowsiness, incoordination and weakness. Accidental ingestion may cause gastrointestinal effects with nausea, vomiting and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause lung damage. Prolonged exposure may cause central nervous system, kidney and liver damage.

HEALTH HAZARDS:

INHALATION: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death.. Breathing high concentrations of oil mists may cause lipid pneumonia.

SKIN CONTACT: May cause mild irritation. Prolonged or repeated contact may cause redness, burning, drying and cracking of the skin.

EYE CONTACT: May cause irritation.

INGESTION: Swallowing large amounts may cause gastrointestinal effects including nausea, vomiting and diarrhea. Large amounts may cause headache, dizziness, drowsiness, incoordination and general weakness. Aspiration into the lungs during ingestion or vomiting may cause lipid pneumonia.

CHRONIC EFFECTS OF OVEREXPOSURE: Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse kidney, liver and bone marrow effects and permanent brain and nervous system damage.

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

SECTION 3: HAZARDS IDENTIFICATION (continued)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic skin, kidney and nervous system 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 breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

INGESTION: Unlikely due to aerosol container. 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: 100°F/37°C

METHOD: TCC

FLAMMABLE LIMITS: (vol % in air) LEL: 1% UEL: 9.6%

AUTOIGNITION TEMPERATURE: Not established

AEROSOL PROTECTION LEVEL (NFPA 30B): Level 3

EXTINGUISHING MEDIA: Water spray, mist or fog. Cool fire exposed containers with water.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Use shielding to protect against bursting cans.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Keep away from heat and open flames. Containers may rupture or explode at temperatures above 120°F.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective equipment. Remove all sources of ignition. Ventilate area. Collect material for disposal using non-combustible absorbent material and place in a container suitable for flammable waste. Report spill as required by local and federal regulations.

SECTION 7 HANDLING and STORAGE

Flammable Aerosol.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Use with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use.

Protect containers from physical damage. Store in a cool, well ventilated area at temperatures below 120°F. Store away from direct sunlight. Do not incinerate containers.

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: Nitrile rubber 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): 315°F

SPECIFIC GRAVITY (H₂O=1): 0.89

VAPOR PRESSURE (@ 70°F mm Hg): 2

EVAPORATION RATE (Butyl Acetate =1): <1

APPEARANCE AND ODOR: Light brown liquid, mild petroleum odor.

MELTING POINT: Not available

VOLATILE: 72%

(VAPOR DENSITY (AIR=1): >1

COEFFICIENT OF WATER/OIL: Not available

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Avoid heat., sparks and open flames. Avoid exposure to temperatures above 120°F.

INCOMPATIBILITY: Strong oxidizing agents and reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY VALUES: Kerosene: LD50 Oral rat: > 5 gm/kg

LC50 Inhalation rat: >5 gm/m³/4 hr

Stoddard Solvent: : LD50 Oral rat: >5 gm/kg

LC50 Inhalation rat: >5500 mg/m³/4 hr

None of the components is listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA. Repetitive two year direct skin application of middle distillates similar to kerosene contained in this product resulted in skin cancer in laboratory Kerosene products have been positive in mutagenic tests.

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

Light aromatic solvent naphtha has been found to cause adverse reproductive effects in laboratory animals.

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: This product is RCRA Hazardous Waste (Ignitable) if discarded in the purchased form. Dispose in accordance with federal, state and local regulations. Do not incinerate containers. Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION : Consumer Commodity, ORM-D

DOT HAZARD CLASSIFICATION: ORM-D

DOT LABELS REQUIRED (49CFR172.101): None

UN NUMBER: None

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Flammable, pressure hazard, irritant, toxic, target organ effects.

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

EPA SARA 311 HAZARD CLASSIFICATION: Acute health, chronic health, fire hazard, sudden pressure release.

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

CERCLA Hazardous Substances (Section 103)/RQ: 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.

WHMIS CLASSIFICATION: Class B-5, Flammable Aerosol; Class D-2, Subdivision B: Toxic material causing other chronic effects.

EU CLASSIFICATION: Highly Flammable (F) Harmful (Xn)

EU RISK AND SAFETY PHRASES: R11, R65, S2, S16, S43, S62

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. .

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

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.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 1 Fire: 2 Reactivity: 0