

## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION

**Product Name:** SPECTRO™ 2T

**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: 11/01/05

### SECTION 2 PRODUCT COMPONENTS

<b>INGREDIENTS</b>	<b>CAS#</b>	<b>WT.%</b>
Aliphatic Petroleum Hydrocarbons	64742-47-8	5-10
Petroleum Oils	Proprietary	60-90

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

This product is a clear, red liquid with a mild petroleum odor. May cause mild eye and skin irritation. 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 lung damage.

**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.

**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:** Aspiration hazard. Do not induce vomiting. Get immediate medical attention by calling a Poison Control Center or hospital emergency department. If vomiting occurs, keep head below hips to prevent aspiration into the lungs.

#### SECTION 5 FIRE and EXPLOSION HAZARD DATA

**FLASH POINT:** 205°F

**METHOD:** PMCC

**FLAMMABLE LIMITS:** (vol % in air) LEL: 0.6% (hydrotreated light distillate)  
UEL: 5% (hydrotreated light distillate)

**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:** May form combustible mixtures at temperatures at or above the flashpoint.

#### 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 an inert absorbent material and place in an appropriate container. Report spills and releases as required by CERCLA and local authorities.

#### SECTION 7 HANDLING and STORAGE

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

Protect containers from physical damage. Store in a cool area away from heat, sparks, open flames and 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

##### Exposure Guidelines:

<u>INGREDIENTS</u>	<u>CAS#.</u>	<u>EXPOSURE LIMITS</u>
Aliphatic Petroleum Hydrocarbons	64742-47-8	1200 mg/m <sup>3</sup> (165 ppm) manufacturer recommended
Petroleum Oils	Proprietary	5 mg/m <sup>3</sup> TWA OSHA PEL

**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 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

<b>BOILING POINT (@ 760 mmHg):</b> >406°F (208°C)	<b>MELTING POINT:</b> Not available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> 0.89	<b>VOLATILE:</b> 0.099%
<b>VAPOR PRESSURE (@ 20 C mm Hg):</b> Not determined	<b>(VAPOR DENSITY (AIR=1):</b> 5
<b>EVAPORATION RATE:</b> Not determined	<b>COEFFICIENT OF WATER/OIL:</b> Not available
<b>FLASH POINT:</b> 205°F	
<b>APPEARANCE AND ODOR:</b> Clear red liquid, mild petroleum odor.	

#### SECTION 10 STABILITY and REACTIVITY

**STABILITY:** This material is stable.

**CONDITIONS TO AVOID:** Avoid heat, sparks and open flames.

**INCOMPATIBILITY:** Strong oxidizing agents.

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

**HAZARDOUS POLYMERIZATION:** Will not occur.

#### SECTION 11 TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY VALUES:** Product: Oral rat LD<sub>50</sub> > 5 g/kg  
Skin rabbit LD<sub>50</sub> >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.

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

#### SECTION 14: TRANSPORTATION INFORMATION

**DOT SHIPPING DESCRIPTION:** Not Regulated (Excepted from Hazmat 49CFR173.150)

**DOT HAZARD CLASSIFICATION:** None  
**DOT LABELS REQUIRED (49CFR172.101):** None  
**UN NUMBER:** None

**SECTION 15: REGULATORY INFORMATION**

**OSHA HAZARD CLASSIFICATION:** Target Organ Effects

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

**EPA SARA 311 HAZARD CLASSIFICATION:** Acute Health

**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 D 2 Subdivision B - Toxic material causing other chronic effects.

This product has been classified in accordance with the hazard criteria in the CPR and the MSDS 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.

**CALIFORNIA PROPOSITION 65:** This product contains the following chemicals known to the State of California to cause cancer: naphthalene <0.09 ppm, ethylbenzene <0.9 ppm, benzene <0.04 ppm, lead <0.3 ppm, chromium < 0.3 ppm, cadmium <0.3 ppm, beryllium <0.3 ppm, arsenic <0.3 ppm.

This product contains the following chemicals known to the State of California to cause reproductive toxicity: lead <0.3 ppm. (female, male, developmental), cadmium <0.3 ppm (male, developmental), mercury <0.3 ppm (developmental), toluene <0.04 ppm (developmental)

**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).

**European Union:** All of the ingredients are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**Japan ENCS:** All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (METI) List.

**Korea:** All of the components of this product are listed on the Korean Existing Chemicals List.

**Philippines:** All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances List.

**SECTION 16: OTHER INFORMATION**

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