

Material Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name:
Spectro® FC Fuel Conditioner and Stabilizer

Product Code:
K.SFC
R.SFC

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: 06/17/11

SECTION 2: HAZARDS IDENTIFICATION

This product is a yellow liquid with an alcohol odor.

EMERGENCY OVERVIEW

Flammable liquid and vapor (Flash Point 55°F). May cause eye and skin irritation. Inhalation of vapors may cause respiratory tract irritation and central nervous system depression with symptoms of headache, dizziness, nausea, drowsiness and unconsciousness. Accidental ingestion may cause gastrointestinal effects with nausea and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

SECTION 3: PRODUCT COMPONENTS

<u>INGREDIENTS</u>	<u>CAS#.</u>	<u>WT.%</u>
Petroleum Oils	Proprietary	15-40
Isopropanol	67-63-0	15-40
Stoddard Solvent	8052-41-3	10-30
Proprietary Additives	Proprietary	10-30
1,2,4-Trimethylbenzene	95-63-6	0.1-1

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: Do not induce vomiting. Never give anything by mouth to an unconsciousness person. 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

EXTINGUISHING MEDIA: Water spray or fog, alcohol foam, carbon dioxide, dry chemical. Do not use direct water stream.

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: Flammable liquid and vapor. Vapors are heavier than air and will flow along surfaces to remote ignition sources and flash back. Vapors will collect in low areas and will form explosive mixtures with air. Do not use on vehicles unless cool.

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

Avoid eye and skin contact. Avoid breathing vapors and mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Discard contaminated shoes and other items that cannot be laundered. Do not smoke, drink or eat during use. Keep containers closed when not in use. Keep product away from heat, sparks, electric motors, pilot lights and all other sources of ignition. Do not use around or apply to hot surfaces. Do not use on vehicle unless cool.

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:

INGREDIENTS	CAS#.	EXPOSURE LIMITS
Petroleum Oils (As oil mist)	Proprietary	5 mg/m ³ TWA OSHA PEL 5 mg/m ³ TWA ACGIH TLV (Inhalable)
Isopropanol	67-63-0	400 ppm TWA OSHA PEL 200 ppm TWA ACGIH TLV 400 ppm STEL ACGIH
Stoddard Solvent	8052-41-3	100 ppm TWA ACGIH TLV 500 ppm TWA OSHA PEL
Proprietary Additives 1,2,4-Trimethylbenzene	Proprietary 95-63-6	None Established 25 ppm TWA ACGIH TLV

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

APPEARANCE AND ODOR: Yellow liquid, alcohol odor.

BOILING POINT (@ 760 mmHg): 181°F
SPECIFIC GRAVITY (H₂O=1): 0.79
VAPOR PRESSURE (@ 20 C mm Hg): 33
EVAPORATION RATE (Ether =1): <1
FLASHPOINT: 55.4°F/13°C **METHOD:** TCC
FLAMMABLE LIMITS: (vol % in air) LEL: 0.9% (Stoddard Solvent) UEL: 12.7% (Isopropanol)

MELTING POINT: Not available
VOLATILE: >95%
(VAPOR DENSITY (AIR=1): >1
COEFFICIENT OF WATER/OIL: Not available
AUTOIGNITION TEMPERATURE: Not established

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, and hydrocarbon fragments.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

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. High concentrations may cause drowsiness, unconsciousness and even death.

SKIN CONTACT: May cause irritation. May be harmful if absorbed through the skin.

EYE CONTACT: May cause irritation with redness and tearing.

INGESTION: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea and central nervous system depression with symptoms similar to inhalation. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact may cause dermatitis. Prolonged inhalation may cause adverse effects on the nervous system.

CARCINOGENICITY: None of the components of this product present at 0.1% or greater are listed as carcinogens 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.

ACUTE TOXICITY VALUES:

Product: Oral rat LD50 > 2 g/kg
Skin rabbit LD50 >2 g/kg

Isopropanol and 1,2,4-trimethylbenzene have been found to be mutagenic in some test systems.
None of the components are known to cause sensitization in animals or humans.
None of the components have been found to cause adverse reproductive effects in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

1,2,4 Trimethylbenzene: LC50 Pimephales promelas (fathead minnow) 7.72 mg/l/96 hr
Isopropanol: LC50 Pimephales promelas (fathead minnows) 6.12 g/l/96 hr

SECTION 13: DISPOSAL INFORMATION

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

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION: Flammable Liquid, n.o.s. (Petroleum Naphtha, Isopropanol), 3, UN1993, II
DOT HAZARD CLASSIFICATION: Class 3, PG II
DOT LABELS REQUIRED (49CFR172.101): Flammable Liquid
UN NUMBER: UN1993

Note: Containers of 1 Liter or less (0.3 gal) intended for consumer use may be reclassified Consumer Commodity, ORM-D.

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Flammable liquid, irritant, 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.

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:

1,2,3-Trimethylbenzene	95-63-6	0.1-1
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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 B2: Flammable liquid; Class D-2, Subdivision B: Toxic material causing other toxic 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 <500 ppm, ethylbenzene <500 ppm, benzene 2 ppm.

This product contains the following chemicals known to the State of California to cause reproductive toxicity: benzene 2 ppm (male, developmental), toluene 200 ppm (developmental).

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

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 2 Fire: 3 Reactivity: 0

REVISION SUMMERY: Comprehensive review: Changes to the following: Sections 2&3: Hazard Identification to precede Product Components. Health Hazards moved to section 11; Section 5: Flammable limits, Flash Point, and Autoignition temperature moved to section 9; Section 8: Exposure limits; Section 9: Flammable limits; Section 12: Additions; Section 16: Revision summery added.

