



MATERIAL SAFETY DATA SHEET
PRO II 9000™ Complete Fuel System & Injection Cleaner STEP 3

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRO II 9000™ Complete Fuel System & Injection Cleaner STEP 3
Product Number: 72402 **72400**
Product Use: Cleaner.
Manufacturer/Supplier: International Lubricants, Inc.
P.O. Box 24743, Seattle WA 98124-0743, USA
Phone Number: (206) 762-5343
(800) 333-LUBE (5823)
Emergency Phone: CHEM TEL (800) 255-3924
CHEM TEL (813) 248-0585
Date of Preparation: April 9, 2010

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING

FLAMMABLE. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

- Eye:** May cause eye irritation.
- Skin:** May cause skin irritation.
- Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.
Harmful: may cause lung damage if swallowed.
- Inhalation:** May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract and respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment See Section 12 for more information.



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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
m-Xylene	108-38-3	30 - 60
p-Xylene	106-42-3	10 - 30
Ethylbenzene	100-41-4	10 - 30
o-Xylene	95-47-6	7 - 13
Toluene	108-88-3	0.1 - 1
Medium aliphatic solvent naphtha (petroleum) C9-C12	64742-88-7	5 - 10
1,2,4-Trimethylbenzene	95-63-6	0.5 - 1.5
Trimethylbenzene	25551-13-7	1 - 5
1,3,5-Trimethylbenzene	108-67-8	0.1 - 1
Di-tert-butyl peroxide	110-05-4	1 - 5
Amines, C12-14-tert-alkyl	68955-53-3	1 - 5

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Flammable by WHMIS/OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.
 - Unsuitable Extinguishing Media:** Not available.
- Products of Combustion:** May include, and are not limited to: oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
 - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.
- Environmental Precautions:** This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.



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Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Do not store at temperatures above 49 °C. Keep away from food, drink and animal feedingstuffs.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
m-Xylene	100 ppm	100 ppm
p-Xylene	100 ppm	100 ppm
Ethylbenzene	100 ppm	100 ppm
o-Xylene	100 ppm	100 ppm
Toluene	200 ppm	50 ppm
Medium aliphatic solvent naphtha (petroleum) C9-C12	100 ppm	100 ppm
1,2,4-Trimethylbenzene	Not available.	25 ppm
Trimethylbenzene	25 ppm	25 ppm
1,3,5-Trimethylbenzene	Not available.	25 ppm
Di-tert-butyl peroxide	Not available.	Not available.
Amines, C12-14-tert-alkyl	Not available.	Not available.

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Yellow.
Odour:	Characteristic.



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Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	~ 141 °C (~ 285.8 °F)
Flash Point:	~ 32 °C (~ 89.6 °F)
Evaporation Rate:	Not available.
Lower Flammability Limit:	1.0
Upper Flammability Limit:	7.0
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	7.218
Solubility in Water:	Not available.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	86.72
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
m-Xylene	5000 mg/kg, rat	Not available.
p-Xylene	3392 mg/kg, rat	4550 ppm 4hrs, rat
Ethylbenzene	3500 mg/kg, rat	17.2 mg/L 4hr, rat
o-Xylene	3609 mg/kg, rat	2180 ppm 4hr, rat; 12.5 mg/L 4hr, rat;
Toluene	636 mg/kg, rat	26700 ppm 1hr, rat
Medium aliphatic solvent naphtha (petroleum) C9-C12	> 5000 mg/kg, rat	> 5.28 mg/L 4hr, rat
1,2,4-Trimethylbenzene	3400 mg/kg, rat	18000 mg/m ³ 4 hrs, rat
Trimethylbenzene	8970 mg/kg, rat	Not available.
1,3,5-Trimethylbenzene	5000 mg/kg, rat	24000 mg/m ³ 4hrs, rat
Di-tert-butyl peroxide	25000 mg/kg, rat	4100 ppm 4hrs, rat
Amines, C12-14-tert-alkyl	300 mg/kg, rat	Not available.



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- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.
- Inhalation:** May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Hazardous by WHMIS/OSHA criteria.

Ingredient

Chemical Listed as Carcinogen or Potential Carcinogen *

m-Xylene	G-A4, I-3
p-Xylene	G-A4, I-3
Ethylbenzene	G-A3, I-2B, CP65
o-Xylene	G-A4, I-3
Toluene	G-A4, I-3, CP65
Medium aliphatic solvent naphtha (petroleum) C9-C12	Not listed.
1,2,4-Trimethylbenzene	Not listed.
Trimethylbenzene	Not listed.
1,3,5-Trimethylbenzene	Not listed.
Di-tert-butyl peroxide	Not listed.
Amines, C12-14-tert-alkyl	Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material and its container must be disposed of in a safe way.



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Section 14: TRANSPORTATION INFORMATION

DOT Classification

UN1993, Flammable liquid, n.o.s. (Xylene) Class 3; PG III

TDG Classification

UN1993, Flammable liquid, n.o.s. (Xylene) Class 3; PG III

IATA Classification

UN1993, Flammable liquid, n.o.s. (Xylene) Class 3; PG III

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
m-Xylene	Not listed.	Not listed.	1,000	313
p-Xylene	Not listed.	Not listed.	100	313
Ethylbenzene	Not listed.	Not listed.	1,000	313
o-Xylene	Not listed.	Not listed.	1,000	313
Toluene	Not listed.	Not listed.	1,000	313
Medium aliphatic solvent naphtha (petroleum) C9-C12	Not listed.	Not listed.	Not listed.	Not listed.
1,2,4-Trimethylbenzene	Not listed.	Not listed.	Not listed.	313
Trimethylbenzene	Not listed.	Not listed.	Not listed.	Not listed.
1,3,5-Trimethylbenzene	Not listed.	Not listed.	Not listed.	Not listed.
Di-tert-butyl peroxide	Not listed.	Not listed.	Not listed.	Not listed.
Amines, C12-14-tert-alkyl	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:

This product contains chemicals known to the State of California to cause cancer.

Global Inventories

Ingredient	Canada DSL/NDL	USA TSCA
m-Xylene	DSL	Yes.
p-Xylene	DSL	Yes.
Ethylbenzene	DSL	Yes.
o-Xylene	DSL	Yes.
Toluene	DSL	Yes.
Medium aliphatic solvent naphtha (petroleum) C9-C12	DSL	Yes.
1,2,4-Trimethylbenzene	DSL	Yes.
Trimethylbenzene	DSL	Yes.
1,3,5-Trimethylbenzene	DSL	Yes.
Di-tert-butyl peroxide	DSL	Yes.
Amines, C12-14-tert-alkyl	DSL	Yes.



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NFPA - National Fire Protection Association:

Health - 2 Fire - 2 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

Class B2 - Flammable Liquid
Class D2A - Carcinogenicity
Class D2A - Teratogenicity and Embryotoxicity
Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

- OSHA (O)** Occupational Safety and Health Administration.
- ACGIH (G)** American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.
- IARC (I)** International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
- NTP (N)** National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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