



# MATERIAL SAFETY DATA SHEET

PRO II 9000 Air-intake Throttle Plate Synthetic Cleaner STEPS 1 & 2

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PRO II 9000 Air-intake Throttle Plate Synthetic Cleaner STEPS 1 & 2  
**Product Number:** 72401  
**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:** December 15, 2011

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

DANGER

EXTREMELY FLAMMABLE AEROSOL. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. Do not puncture. Do not burn. Store away from heat.

**Potential Health Effects:** See Section 11 for more information.

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

**Eye:** May irritate eyes.

**Skin:** May irritate skin.

**Ingestion:** Not a normal route of exposure. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Aspiration of material into lungs can cause chemical pneumonitis.

**Chronic Effects:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**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:** Certain pre-existing conditions may make workers particularly susceptible to the effects of this chemical: asthma, allergies, impaired pulmonary function.

**Target Organs:** Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys.

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

**Potential Environmental Effects:** This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. See Section 12 for more information.



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**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>Wt. %</b>
Acetone	67-64-1	40 - 70
Isobutane	75-28-5	7 - 13
Propane	74-98-6	7 - 13
Toluene	108-88-3	5 - 10
m-Xylene	108-38-3	1 - 5
Diacetone alcohol	123-42-2	1 - 5
Isopropanol	67-63-0	1 - 5
p-Xylene	106-42-3	1 - 5
Ethylbenzene	100-41-4	0.5 - 1.5
o-Xylene	95-47-6	0.5 - 1.5
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1

**Section 4: FIRST AID MEASURES**

- Eye Contact:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
- Skin Contact:** After contact with skin, wash immediately with plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, get medical attention.
- Inhalation:** If breathed in, move person into fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
- Ingestion:** If swallowed, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. If swallowed, rinse mouth with water (only if the person is conscious).
- 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 be delayed.

**Section 5: FIRE FIGHTING MEASURES**

- Flammability:** Extremely 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:** Oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
  - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Pressurized container may explode when exposed to heat or flame. In case of fire and/or explosion do not breathe fumes. Firefighters should wear full protective clothing including self contained breathing apparatus.



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## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate area. Remove sources of ignition. Keep unnecessary personnel away. Ruptured cylinders may rocket.

**Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Use sand, perlite or vermiculite as an absorbent for large spills of this material.

**Methods for Clean-Up:** Sweep up or gather material and place in appropriate container for disposal. Allow gas to dissipate into the atmosphere.

**Other Information:** Not available.

## Section 7: HANDLING AND STORAGE

### Handling:

Keep away from heat, open flames or other sources of ignition. Avoid contact with eyes. Avoid contact with skin. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in a well-ventilated area. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

### Storage:

Keep out of the reach of children. Do not store at temperatures above 49 °C / 120 °F. Store in a cool, dry, well-ventilated area. Keep away from food, drink and animal feedingstuffs.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Acetone	750 ppm	500 ppm
Isobutane	Not available.	1000 ppm
Propane	1000 ppm	1000 ppm
Toluene	200 ppm	20 ppm
m-Xylene	100 ppm	100 ppm
Diacetone alcohol	50 ppm	50 ppm
Isopropanol	400 ppm	200 ppm
p-Xylene	100 ppm	100 ppm
Ethylbenzene	100 ppm	20 ppm
o-Xylene	100 ppm	100 ppm
1,2,4-Trimethylbenzene	Not available.	25 ppm

**Engineering Controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

### Personal Protective Equipment:

**Eye/Face Protection:** Wear safety glasses with side shields.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** Wear suitable protective clothing.

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



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**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear.
<b>Color:</b>	Colorless.
<b>Odour:</b>	Acetone.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Gas / Pressurized Liquid.
<b>pH (of concentrate):</b>	Not applicable.
<b>Viscosity (of concentrate):</b>	Not available.
<b>Freezing Point (of concentrate):</b>	Not available.
<b>Boiling Point (of concentrate):</b>	Not available.
<b>Flash Point (of concentrate):</b>	Not available.
<b>Evaporation Rate (of concentrate):</b>	< 1 (Diethyl ether = 1)
<b>Lower Flammability Limit:</b>	~ 1.8%
<b>Upper Flammability Limit:</b>	~ 9.5%
<b>Vapor Pressure:</b>	40 – 60 PSIG
<b>Vapor Density (of concentrate):</b>	> 1 (Air = 1)
<b>Specific Gravity (of concentrate):</b>	< 1
<b>Solubility in Water (of concentrate):</b>	Partial.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Oxidizers. Acids.

**Hazardous Decomposition Products:** Oxides of carbon.

**Possibility of Hazardous Reactions:** Will not occur.



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## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Acetone	5800 mg/kg, rat	Not available.
Isobutane	Not available.	658 mg/L 4hr, rat
Propane	Not available.	658 mg/L 4hr, rat 12.5 mg/L 4hr, rat;
Toluene	636 mg/kg, rat	26700 ppm 1hr, rat
m-Xylene	5000 mg/kg, rat	Not available.
Diacetone alcohol	4000 mg/kg, rat	Not available.
Isopropanol	4396 mg/kg, rat	72.6 mg/L 4hr, rat
p-Xylene	3392 mg/kg, rat	4550 ppm 4hr, rat
Ethylbenzene	3500 mg/kg, rat	17.2 mg/L 4hr, rat
o-Xylene	3609 mg/kg, rat	2180 ppm 4hr, rat
1,2,4-Trimethylbenzene	3400 mg/kg, rat	18000 mg/m <sup>3</sup> 4hr, rat

**Eye:** May irritate eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** May irritate skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Ingestion:** Not a normal route of exposure. May cause stomach distress, nausea or vomiting. May be harmful if swallowed

**Inhalation:** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Aspiration of material into lungs can 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 \*

Acetone	G-A4
Isobutane	Not listed.
Propane	Not listed.
Toluene	G-A4, I-3, CP65
m-Xylene	G-A4, I-3
Diacetone alcohol	Not listed.
Isopropanol	G-A4, I-3
p-Xylene	G-A4, I-3
Ethylbenzene	G-A3, I-2B, CP65
o-Xylene	G-A4, I-3
1,2,4-Trimethylbenzene	Not listed.

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.



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**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:** This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

**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. Dispose in accordance with all applicable regulations.

**Section 14: TRANSPORTATION INFORMATION**

**DOT Classification**

ORM-D

**TDG Classification**

Limited Quantity

**Section 15: REGULATORY INFORMATION**

**Federal Regulations**

**Canada:** 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**

<b>Ingredient</b>	<b>Section 302 (EHS) TPQ (lbs.)</b>	<b>Section 304 EHS RQ (lbs.)</b>	<b>CERCLA RQ (lbs.)</b>	<b>Section 313</b>
Acetone	Not listed.	Not listed.	5,000	313
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.
Propane	Not listed.	Not listed.	Not listed.	Not listed.
Toluene	Not listed.	Not listed.	1,000	313
m-Xylene	Not listed.	Not listed.	1,000	313
Diacetone alcohol	Not listed.	Not listed.	Not listed.	Not listed.
Isopropanol	Not listed.	Not listed.	Not listed.	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
1,2,4-Trimethylbenzene	Not listed.	Not listed.	Not listed.	313



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### State Regulations

#### California Proposition 65:

This product contains a chemical known to the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Global Inventories

Ingredient	Canada DSL/NDL	USA TSCA
Acetone	DSL	Yes.
Isobutane	DSL	Yes.
Propane	DSL	Yes.
Toluene	DSL	Yes.
m-Xylene	DSL	Yes.
Diacetone alcohol	DSL	Yes.
Isopropanol	DSL	Yes.
p-Xylene	DSL	Yes.
Ethylbenzene	DSL	Yes.
o-Xylene	DSL	Yes.
1,2,4-Trimethylbenzene	DSL	Yes.

### HMIS - Hazardous Materials Identification System

**Health – 2\*      Flammability - 4      Physical Hazard - 0      PPE – B**

### NFPA - National Fire Protection Association:

**Health - 2      Fire - 4      Reactivity - 0**

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

### WHMIS Classification(s):

- Class A - Compressed Gas
- Class B5 - Flammable Aerosol
- 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.



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**NTP (N)** National Toxicology Program.  
1 - Known to be carcinogens.  
2 - Reasonably anticipated to be carcinogens.

<b>Section 16: OTHER INFORMATION</b>
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**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.

**Canadian WHMIS Expiry Date:** December 15, 2014

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