



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Lubegard® Universal CVT Fluid with LXE®  
**Product Number:** 68112, 68232, 68475, 68330, 69408, 69430, 69450, 69474  
**Product Use:** Lubricant.  
**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:** January 30, 2012

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

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

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

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea, vomiting, or CNS depression.

**Inhalation:** May cause respiratory tract irritation.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation 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:** Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract, 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.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	30 - 60
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	15 - 40
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	18760-44-6	0.1 - 1
Tris(2-ethylhexyl) orthoborate	2467-13-2	0.1 - 1
Dibutyl phosphite	1809-19-4	0.1 - 1
Diphenylamine	122-39-4	0.1 - 1



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**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 breathed in, move person into 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. Seek medical attention or call poison control.

**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:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a direct stream of water.

**Products of Combustion:** May include, and are not limited to: oxides of carbon, oxides of nitrogen.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Use water spray to keep fire-exposed containers cool. 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.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**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:** Scoop up material and place in a disposal container. Provide ventilation.

**Other Information:** Not available.

## Section 7: HANDLING AND STORAGE

**Handling:**

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.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

## Storage:

Keep out of the reach of children. Keep container tightly closed in a cool place. Do not store at temperatures above 49 °C / 120 °F.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Distillates (petroleum), hydrotreated light paraffinic	Not available.	Not available.
Distillates (petroleum), hydrotreated heavy paraffinic	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	Not available.	Not available.
Tris(2-ethylhexyl) orthoborate	Not available.	Not available.
Dibutyl phosphite	Not available.	Not available.
Diphenylamine	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**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

<b>Appearance:</b>	Clear.
<b>Color:</b>	Gold.
<b>Odour:</b>	Characteristic.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	33.6 cSt @ 40 °C (104 °F)
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point (COC):</b>	~ 189 °C (372 °F)
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	0.9692



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

**Solubility in Water:** Insoluble.  
**Coefficient of Water/Oil Distribution:** Not available.  
**Auto-ignition Temperature:** Not available.  
**Percent Volatile, wt. %:** Not available.  
**VOC content, wt. %:** Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.  
**Conditions of Reactivity:** Heat. Incompatible materials.  
**Incompatible Materials:** Oxidizers.  
**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon, oxides of nitrogen.  
**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Distillates (petroleum), hydrotreated light paraffinic	>5000 mg/kg, rat	3900 mg/m <sup>3</sup> 4hr, rat
Distillates (petroleum), hydrotreated heavy paraffinic	>15000 mg/kg, rat	> 5.53 mg/L 4hr, rat
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	> 10 mL/kg, rat	Not available.
Tris(2-ethylhexyl) orthoborate	3300 mg/kg, mouse	Not available.
Dibutyl phosphite	3200 mg/kg, rat	> 20 g/m <sup>3</sup> , rat
Diphenylamine	1165 mg/kg, rat	Not available.

**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:** May be harmful if swallowed. May cause stomach distress, nausea, vomiting, or CNS depression.  
**Inhalation:** May cause respiratory tract irritation.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.  
**Chronic Effects:** Not hazardous by WHMIS/OSHA criteria.  
**Carcinogenicity:** Not hazardous by WHMIS/OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Distillates (petroleum), hydrotreated light paraffinic	Not listed.
Distillates (petroleum), hydrotreated heavy paraffinic	Not listed.
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	Not listed.
Tris(2-ethylhexyl) orthoborate	Not listed.
Dibutyl phosphite	Not listed.
Diphenylamine	G-A4

\* See Section 15 for more information.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

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

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

**Developmental Effects:**

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

**Embryotoxicity:** Not 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 must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Section 14: TRANSPORTATION INFORMATION**

**DOT Classification**

Not regulated

**TDG Classification**

Not regulated

**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
Distillates (petroleum), hydrotreated light paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), hydrotreated heavy paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	Not listed.	Not listed.	Not listed.	Not listed.
Tris(2-ethylhexyl) orthoborate	Not listed.	Not listed.	Not listed.	Not listed.
Dibutyl phosphite	Not listed.	Not listed.	Not listed.	Not listed.
Diphenylamine	Not listed.	Not listed.	Not listed.	313



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

## State Regulations

### California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## Global Inventories

Ingredient	Canada DSL/NDL	USA TSCA
Distillates (petroleum), hydrotreated light paraffinic	DSL	Yes.
Distillates (petroleum), hydrotreated heavy paraffinic	DSL	Yes.
Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	DSL	Yes.
Tris(2-ethylhexyl) orthoborate	DSL	No.
Dibutyl phosphite	DSL	Yes.
Diphenylamine	DSL	Yes.

## HMIS - Hazardous Materials Identification System

Health - 1      Flammability - 1      Physical Hazard - 0      PPE - B

## NFPA - National Fire Protection Association:

Health - 1      Fire - 1      Reactivity - 0

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

## WHMIS Classification(s):

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.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal CVT Fluid with LXE®

## 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.

**Canadian WHMIS Expiry Date:** January 30, 2015

**Version #:** 1.0

**Prepared by:** Nexreg Compliance Inc.  
(519) 488-5126  
[www.nexreg.com](http://www.nexreg.com)