



## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

**Product Name:** Lubegard® COMPLETE™ CVT Fluid with LXE®  
**Product Code:** 68112, 68113, 68232, 68475, 68330, 69450

#### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Use:** Lubricant.

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** International Lubricants, Inc.  
P.O. Box 24743, Seattle WA  
98124-0743, USA  
**Telephone Number:** (206) 762-5343  
(800) 333-LUBE (5823)

#### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** CHEM TEL (800) 255-3924  
CHEM TEL (813) 248-0585

### Section 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

##### Hazard class

Acute toxicity 4 – Inhalation  
Skin Sensitization 1

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

**Hazard Pictogram:**



**Signal Word:** Warning  
**Hazard Statement:** Harmful if inhaled. May cause an allergic skin reaction.  
**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.  
**Response:** If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.  
**Storage:** Not applicable.  
**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**SAFETY DATA SHEET****2.3 ADDITIONAL INFORMATION**

**Hazards not otherwise specified:** Not applicable.

10 % of the mixture consists of ingredient(s) of unknown acute toxicity.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 MIXTURES**

| Ingredient                                                            | CAS No     | Wt. %     |
|-----------------------------------------------------------------------|------------|-----------|
| Distillates (petroleum), hydrotreated light paraffinic                | 64742-55-8 | 30 - 60   |
| Distillates (petroleum), hydrotreated heavy paraffinic                | 64742-54-7 | 30 - 60   |
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | 72623-86-0 | 1 - 5     |
| Tris(2-ethylhexyl) orthoborate                                        | 2467-13-2  | 0.5 - 1.5 |
| Dibutyl phosphite                                                     | 1809-19-4  | 0.5 - 1.5 |
| Benzene, polypropene derivatives, sulfonated, calcium salts           | 75975-85-8 | 0.1 - 1   |
| Diphenylamine                                                         | 122-39-4   | 0.1 - 1   |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives                   | 61791-44-4 | 0.1 - 1   |

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

**Section 4: FIRST- AID MEASURES****4.1 DESCRIPTION OF THE FIRST AID MEASURE**

**Eye:** 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. If irritation persists, get medical attention.

**Skin:** 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. Get medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention or call poison control.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

**Inhalation:** Harmful if inhaled. May cause respiratory tract irritation. Vapors may cause drowsiness or dizziness.

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

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED**

**Note to Physicians:** Symptoms may not appear immediately.

**Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).



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### Section 5: FIRE-FIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

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

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

#### 5.2 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

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

#### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

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

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

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

### Section 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid contact with skin and eyes. Do not swallow. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. (See section 8)

**General Hygiene Advice:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**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. (See section 10)

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

##### Exposure Guidelines

| Occupational Exposure Limits                                          |                |                |
|-----------------------------------------------------------------------|----------------|----------------|
| Ingredient                                                            | OSHA-PEL       | ACGIH-TLV      |
| Distillates (petroleum), hydrotreated light paraffinic                | Not available. | Not available. |
| Distillates (petroleum), hydrotreated heavy paraffinic                | Not available. | Not available. |
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | Not available. | Not available. |

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|                                                             |                      |                      |
|-------------------------------------------------------------|----------------------|----------------------|
| Tris(2-ethylhexyl) orthoborate                              | Not available.       | Not available.       |
| Dibutyl phosphite                                           | Not available.       | Not available.       |
| Benzene, polypropene derivatives, sulfonated, calcium salts | Not available.       | Not available.       |
| Diphenylamine                                               | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives         | Not available.       | Not available.       |

**8.2 EXPOSURE CONTROLS**

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

**8.3 INDIVIDUAL PROTECTIVE MEASURES****Personal Protective Equipment:**

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product.

**Skin Protection:**

**Hand Protection:** Wear chemically resistant protective gloves.

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

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| <b>Appearance:</b>                              | Clear.            |
| <b>Color:</b>                                   | Gold.             |
| <b>Odor:</b>                                    | Characteristic.   |
| <b>Odor Threshold:</b>                          | Not available.    |
| <b>Physical State:</b>                          | Liquid.           |
| <b>pH:</b>                                      | Not available.    |
| <b>Melting Point/Freezing Point:</b>            | Not available.    |
| <b>Initial Boiling Point and Boiling Range:</b> | Not available.    |
| <b>Flash Point:</b>                             | ~ 189 °C (372 °F) |
| <b>Evaporation Rate:</b>                        | Not available.    |
| <b>Flammability:</b>                            | Not flammable.    |
| <b>Lower Flammability/Explosive Limit:</b>      | Not available.    |
| <b>Upper Flammability/Explosive Limit:</b>      | Not available.    |
| <b>Vapor Pressure:</b>                          | Not available.    |
| <b>Vapor Density:</b>                           | Not available.    |
| <b>Relative Density/Specific Gravity:</b>       | 0.84              |
| <b>Solubility:</b>                              | Insoluble.        |

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|                                                |                           |
|------------------------------------------------|---------------------------|
| <b>Partition coefficient: n-octanol/water:</b> | Not available.            |
| <b>Auto-ignition Temperature:</b>              | Not available.            |
| <b>Decomposition Temperature:</b>              | Not available.            |
| <b>Viscosity:</b>                              | 33.6 cSt @ 40 °C (104 °F) |
| <b>Oxidizing Properties:</b>                   | Not available.            |
| <b>Explosive Properties:</b>                   | Not available.            |

**Section 10: STABILITY AND REACTIVITY****10.1 REACTIVITY**

No dangerous reaction known under conditions of normal use.

**10.2 CHEMICAL STABILITY**

Stable under normal storage conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

No dangerous reaction known under conditions of normal use.

**10.4 CONDITIONS TO AVOID**

Heat. Incompatible materials.

**10.5 INCOMPATIBLE MATERIALS**

Oxidizers.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

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

**Section 11: TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Likely Routes of Exposure:** Eye contact, skin contact, skin absorption, inhalation, ingestion.

**Symptoms related to physical/chemical/toxicological characteristics:**

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea, vomiting, or CNS depression.
- Inhalation:** Harmful if inhaled. May cause respiratory tract irritation. Vapors may cause drowsiness or dizziness.

**Acute Toxicity:**

| Ingredient                                             | LC50           | LD50                                                  |
|--------------------------------------------------------|----------------|-------------------------------------------------------|
| Distillates (petroleum), hydrotreated light paraffinic | Not available. | Oral Rat > 5000 mg/kg;<br>Dermal Rabbit > 2000 mg/kg  |
| Distillates (petroleum), hydrotreated heavy paraffinic | Not available. | Oral Rat > 15000 mg/kg;<br>Dermal Rabbit > 5000 mg/kg |

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|                                                                       |                |                                                    |
|-----------------------------------------------------------------------|----------------|----------------------------------------------------|
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | Not available. | Oral Rat >5000 mg/kg;<br>Dermal Rabbit >2000 mg/kg |
| Tris(2-ethylhexyl) orthoborate                                        | Not available. | Oral Mouse 3300 mg/kg                              |
| Dibutyl phosphite                                                     | Not available. | Oral Rat 3200 mg/kg;<br>Dermal Rabbit 1990 mg/kg   |
| Benzene, polypropene derivatives, sulfonated, calcium salts           | Not available. | Not available.                                     |
| Diphenylamine                                                         | Not available. | Not available.                                     |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives                   | Not available. | Not available.                                     |

| Calculated overall Chemical Acute Toxicity Values |                   |                      |
|---------------------------------------------------|-------------------|----------------------|
| LC50 (inhalation)                                 | LD50 (oral)       | LD50 (dermal)        |
| 10 - 20 mg/L 4hr, rat                             | > 2000 mg/kg, rat | > 2000 mg/kg, rabbit |

| Ingredient                                                            | Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)* |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Distillates (petroleum), hydrotreated light paraffinic                | Not listed.                                                                           |
| Distillates (petroleum), hydrotreated heavy paraffinic                | Not listed.                                                                           |
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | Not listed.                                                                           |
| Tris(2-ethylhexyl) orthoborate                                        | Not listed.                                                                           |
| Dibutyl phosphite                                                     | Not listed.                                                                           |
| Benzene, polypropene derivatives, sulfonated, calcium salts           | Not listed.                                                                           |
| Diphenylamine                                                         | G-A4                                                                                  |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives                   | Not listed.                                                                           |

\* See Section 15 for more information.

**11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE**

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| <b>Skin Corrosion/Irritation:</b>     | Based on available data, the classification criteria are not met. |
| <b>Serious Eye Damage/Irritation:</b> | Based on available data, the classification criteria are not met. |
| <b>Respiratory Sensitization:</b>     | Based on available data, the classification criteria are not met. |
| <b>Skin Sensitization:</b>            | May cause an allergic skin reaction.                              |
| <b>STOT-Single Exposure:</b>          | Based on available data, the classification criteria are not met. |
| <b>Chronic Health Effects:</b>        |                                                                   |
| <b>Carcinogenicity:</b>               | Based on available data, the classification criteria are not met. |
| <b>Germ Cell Mutagenicity:</b>        | Based on available data, the classification criteria are not met. |
| <b>Reproductive Toxicity:</b>         |                                                                   |
| <b>Developmental:</b>                 | Based on available data, the classification criteria are not met. |
| <b>Fertility:</b>                     | Based on available data, the classification criteria are not met. |
| <b>STOT-Repeated Exposure:</b>        | Based on available data, the classification criteria are not met. |
| <b>Aspiration Hazard:</b>             | Based on available data, the classification criteria are not met. |
| <b>Other Information:</b>             | Not available.                                                    |



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### Section 12: ECOLOGICAL INFORMATION

#### 12.1 ECOTOXICITY

**Acute/Chronic Toxicity:** May cause long-term adverse effects in the aquatic environment.

#### 12.2 PERSISTENCE AND DEGRADABILITY

Not available.

#### 12.3 BIOACCUMULATIVE POTENTIAL

**Bioaccumulation:** Not available.

#### 12.4 MOBILITY IN SOIL

Not available.

#### 12.5 OTHER ADVERSE EFFECTS

Not available.

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

**Disposal Method:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Other disposal recommendations:** Not available.

### Section 14: TRANSPORT INFORMATION

#### 14.1 UN NUMBER

Not regulated.

#### 14.2 UN PROPER SHIPPING NAME

Not applicable.

#### 14.3 TRANSPORT HAZARD CLASS(ES)

Not applicable.

#### 14.4 PACKING GROUP

Not applicable.

#### 14.5 ENVIRONMENTAL HAZARDS

Not available.

#### 14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available.

#### 14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

**SAFETY DATA SHEET****Section 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

| <b>SARA Title III</b>                                                 |                                         |                                      |                             |                        |
|-----------------------------------------------------------------------|-----------------------------------------|--------------------------------------|-----------------------------|------------------------|
| <b>Ingredient</b>                                                     | <b>Section 302<br/>(EHS) TPQ (lbs.)</b> | <b>Section 304<br/>EHS RQ (lbs.)</b> | <b>CERCLA<br/>RQ (lbs.)</b> | <b>Section<br/>313</b> |
| 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.            |
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | 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.            |
| Benzene, polypropene derivatives, sulfonated, calcium salts           | Not listed.                             | Not listed.                          | Not listed.                 | Not listed.            |
| Diphenylamine                                                         | Not listed.                             | Not listed.                          | Not listed.                 | 313                    |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives                   | 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, birth defects or other reproductive harm.

**Global Inventories:**

| <b>Ingredient</b>                                                     | <b>USA<br/>TSCA</b> |
|-----------------------------------------------------------------------|---------------------|
| Distillates (petroleum), hydrotreated light paraffinic                | Yes.                |
| Distillates (petroleum), hydrotreated heavy paraffinic                | Yes.                |
| Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based | Yes.                |
| Tris(2-ethylhexyl) orthoborate                                        | No.                 |
| Dibutyl phosphite                                                     | Yes.                |
| Benzene, polypropene derivatives, sulfonated, calcium salts           | Yes.                |
| Diphenylamine                                                         | Yes.                |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives                   | Yes.                |

**NFPA-National Fire Protection Association:**

|                    |   |
|--------------------|---|
| <b>Health:</b>     | 2 |
| <b>Fire:</b>       | 1 |
| <b>Reactivity:</b> | 1 |

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



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### 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

**Date of Preparation:** May 23, 2014

**Version:** 1.0

**Revision Date:** May 23, 2014

**Disclaimer:** We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. 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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**Prepared for:** International Lubricants Inc.

## End of Safety Data Sheet