



Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States OSHA 2012 HazCom

Date of issue: 05/23/2014

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Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Lubegard® Complete CVT Fluid with LXE
Product code : 68111, 68112, 68113, 68115, 68128, 68232, 68233, 68330, 68450, 69475

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Use of the Substance/Mixture : Lubricant

1.2.2 Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

International Lubricants, Inc.
7930 Occidental Ave. S.
Seattle, WA 98108
Telephone(206) 762-5343
(800) 333-LUBE (5823)

1.4. Emergency telephone number

Emergency number with hours of operation: : ChemTel (800)255-3924
24-hours a day /7 days a week /365 days a year ChemTel (813)248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to United States OSHA 2012 HazCom

Hazard Class

Skin Sensitization, Category 1
Acute Toxicity, Inhalation, Category 4

2.2. Label elements

Label elements according to United States OSHA 2012 HazCom

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled

Precautionary Statements

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the work place
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P363 – Wash contaminated clothing before reuse

Response

P 302+P352 – IF ON SKIN: Wash with plenty of soap and water

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

P333+P313 – If skin irritation or rash occurs, get medical attention or advice
P304+P340 – IF INHALED: Move victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - IF IN EYES: Wash cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P311 – If eye irritation persists, seek medical advice/attention.
P312 - Call a POISON CENTER or doctor if you feel unwell

Storage Not applicable

Disposal P501 - Dispose of contents and container in accordance with all local, regional, national, and international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

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

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixtures

Ingredient Name	CAS Number	Weight %	GHS – OSHA Classification
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	30 - 60	Aspiration hazard, category 1
Hydrotreated, heavy paraffinic petroleum distillate	64742-54-7	30 – 60	Aspiration hazard, category 1
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	1 – 5	Aspiration hazard, category 1
Tris (2-ethylhexyl) orthoborate	2467-13-2	0.5 – 1.5	Unknown
Dibutyl phosphite	1809-19-4	0.5 – 1.5	Acute toxicity, dermal, Category 4 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity, single exposure, respiratory system, Category 3
Benzene, polypropene derivatives, sulfonated, calcium salts	75975-85-8	0.1 – 1	Skin sensitization, Category 1A or 1B
Diphenylamine	122-39-4	0.1 – 1	Acute toxicity, oral, Category 3 Acute toxicity, inhalation, Category 3 Acute toxicity, dermal, Category 3 Specific target organ toxicity, repeated exposure, Category 2
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	0.1 – 1	Unknown
Ethylbenzene	100-41-4	< 0.1	Flammable liquids, Category 2 Acute Toxicity Category 4 (Inhalation) Carcinogen Category 2
Methanol	67-56-1	< 0.1	Flammable liquids, Category 2 Acute toxicity, oral, Category 3 Acute toxicity, inhalation, Category 3 Acute toxicity, dermal, Category 3 Specific target organ toxicity, single exposure, Category 1

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

SECTION 4 : First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Harmful if inhaled. May cause respiratory tract irritation. Vapors may cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after 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 treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5 : Firefighting measures

5.1. Extinguishing Media

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

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

5.2. Special Hazards Arising from the Chemical

Fire Hazard: May include, but are not limited to oxides of carbon, oxides of nitrogen

5.4. Special Protective Equipment and Precautions for Fire Fighters

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

6.1.1. For non-emergency personnel: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.2. For emergency responders: No additional information available.

6.2. Methods and material for containment and cleaning up

- 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 the material to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Provide ventilation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Do not swallow. Open and handle container with care. When using do not eat, drink or smoke. Do not breathe gas/fumes/vapor/spray. (See Section 8)

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

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 conditions : Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Do not store at temperatures above 49°C (120°F) (See Section 10)

7.3. Specific End use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines

Occupational Exposure Limits		
Ingredient Name	OSHA-PEL	ACGIH-TLV
Distillates (petroleum), hydrotreated light paraffinic	Not available	Not available
Hydrotreated, heavy paraffinic petroleum distillate	Not available	Not available
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Not available	Not available
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 ³	10 mg/m ³
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not available	Not available
Ethylbenzene	435 mg/m ³	20 ppm, TWA
Methanol	200 ppm	200 ppm, TWA

8.2. Exposure controls

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

Personal Protective Equipment	
Hand protection	: Wear suitable gloves.
Eye protection	: Wear approved eye protection (properly fitted dust-proof or splash-proof chemical safety goggles) and face protection (face shield).
Skin and 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

Appearance, physical state and color	: Transparent amber-colored liquid
Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Melting point / Freezing Point	: No data available
Initial boiling point / Boiling range	: No data available
Flash point	: ~ 189°C (372°F)
Relative evaporation rate	: No data available
Flammability (solid, gas)	: Not flammable
Lower flammable / Explosive limit	: No data available
Upper flammable / Explosive limit	: No data available

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: 0.84 g/cm ³ @ 60°F
Solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 33.6 cSt @ 40°C
Oxidizing properties	: No data available
Explosive properties	: No data 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

Strong oxidizers

10.6. Hazardous decomposition products

May include, but are not limited to oxides of carbon, oxides of phosphorous sulfur dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Lubegard® Complete CVT Fluid with LXE	
LD50 oral rat	>2000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat	10 - 20 mg/L, 4 hours

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat	No data available

Hydrotreated, heavy paraffinic petroleum distillate (64742-54-7)	
LD50 oral rat	>15000 mg/kg
LD50 dermal rabbit	>5000 mg/kg
LC50 inhalation rat	No data available

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat	No data available

Tris (2-ethylhexyl) orthoborate (2467-13-2)	
LD50 oral mouse	3300 mg/kg
LD50 dermal rabbit	No data available

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

Tris (2-ethylhexyl) orthoborate (2467-13-2)	
LC50 inhalation rat	No data available

Dibutyl Phosphite (1809-19-4)	
LD50 oral rat	3200 mg/kg
LD50 dermal rabbit	1990 mg/kg
LC50 inhalation rat	No data available

Benzene, polypropene derivatives, sulfonated, calcium salts (75975-85-8)	
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available

Diphenylamine (122-39-4)	
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (61791-44-4)	
LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15,354 mg/kg
LC50 inhalation rat	17.2 mg/L, 4 hours

Methanol (67-56-1)	
LD50 oral rat	1187 to 2769 mg/kg
LD50 dermal rabbit	17,100 mg/kg
LC50 inhalation rat	128.2 mg/L, 4 hours

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, Prop 65) (See Section 15 for more information)
Distillates (petroleum), hydrotreated light paraffinic	Not listed
Hydrotreated, heavy paraffinic petroleum distillate	Not listed
Lubricating oils (petroleum), C15-30, 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	IARC Group 4
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not listed
Ethylbenzene	IARC Group 2B, Prop 65
Methanol	Prop 65

Skin Corrosion/Irritation:

Serious Eye Damage/Irritation:

Respiratory or Skin Sensitization:

Germ Cell Mutagenicity:

Carcinogenicity:

Reproductive Toxicity:

Based on available data, the classification criteria are not met.

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Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

Specific Target Organ Toxicity - Single Exposure:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated Exposure:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation:	Harmful if inhaled. May cause respiratory tract irritation. Vapors may cause drowsiness or dizziness.
Symptoms/injuries after skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea, vomiting, or CNS depression.

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

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

In accordance with DOT

14.1 UN NUMBER

Not regulated

14.2 UN PROPER SHIPPING NAME

Not regulated

14.3 ADDITIONAL INFORMATION

Other information: No supplementary information available.

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the chemical

15.1.1. United States : Safety data sheet prepared pursuant to the Hazard Communication Standard, 29 CFR 1910.1200 (2012 OSHA HazCom)

SARA Title III

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

Ingredient Name	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
Hydrotreated, heavy paraffinic petroleum distillate	Not listed	Not listed	Not listed	Not listed
Lubricating oils (petroleum), C15-30, 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
Ethylbenzene	Not listed	Not listed	1000	313
Methanol	Not listed	Not listed	5000	313

State Regulations

California Proposition 65:



WARNING: This product can expose you to ethylbenzene, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient Name	USA TSCA
Distillates (petroleum), hydrotreated light paraffinic	Yes
Hydrotreated, heavy paraffinic petroleum distillate	Yes
Lubricating oils (petroleum), C15-30, 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
Ethylbenzene	Yes
Methanol	Yes

NFPA - National Fire Protection Association

Health:	2
Fire:	1
Reactivity:	1

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

HMIS – Hazardous Materials Identification System

Health:	2
Fire:	1
Reactivity:	1

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

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

Lubegard® Complete CVT Fluid with LXE

Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom

CP65	California Proposition 65
OSHA	Occupational Safety and Health Administration.
ACGIH	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	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	National Toxicology Program. 1 - Known to be carcinogens. 2 - Reasonably anticipated to be carcinogens.

SECTION 16: Other information

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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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End of Safety Data Sheet