



Lubegard® Automatic Transmission Fluid Protectant

Safety Data Sheet

Conforms to United States OSHA 2012 HazCom and Canada HPR (WHMIS 2015)

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

1.1. Product identifier

Product name : Lubegard® Automatic Transmission Fluid Protectant
Product code : 60902, 50902, 50904, 50905, 50330

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)

Canadian Supplier / Distributor

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 and Canada HPR (WHMIS 2015)

Hazard Class

Skin Sensitization 1

2.2. Label elements

Label elements according to United States OSHA 2012 HazCom and Canada HPR (WHMIS 2015)

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H317 – May cause an allergic skin reaction

Precautionary Statements

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
P272 – Contaminated work clothing must not be allowed out of the workplace

Response

P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P363 - Wash contaminated clothing before reuse
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

Storage

Not applicable

Disposal

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

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Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom & Canada HPR (WHMIS 2015)

Unknown acute toxicity: 99% of the mixture consists of ingredient(s) of unknown acute oral toxicity

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixtures

Ingredient Name	CAS Number	Weight %
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	30 - 60
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	0.1 – 1.0
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	13539-13-4	0.1 – 1.0
Ethylbenzene	100-41-4	< 0.1

SECTION 4 : First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathed in, move person to fresh air and keep them in a position comfortable for breathing. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
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 for at least 15 minutes. If easy to do, remove contact lenses. Immediately call a poison center/doctor.
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 immediately.

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

Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
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 or vomiting.

4.3. Indication of any immediate medical attention and special treatment 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 SDS where possible).

SECTION 5 : Firefighting measures

5.1. Flammability

Flammability: Not flammable by OSHA/WHMIS criteria.

5.2. Extinguishing Media

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

Unsuitable Extinguishing Media: None known

5.3. Special Hazards Arising from the Chemical

Products of Combustion: May include, but are not limited to oxides of carbon, oxides of phosphorus.

Explosion Data:

Sensitivity to Mechanical Impact: Not available

Sensitivity to Static Discharge: Not available

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).

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Safety Data Sheet

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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 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 : Scoop up 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.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines

Occupational Exposure Limits	OSHA-PEL	ACGIH-TLV
Ingredient Name		
Lubricating oils (petroleum), hydrotreated spent	5 mg/m ³ (As an oil mist)	5 mg/m ³ (As an oil mist)
Distillates, petroleum, hydrotreated heavy paraffinic	5 mg/m ³ (As an oil mist)	5 mg/m ³ (As an oil mist)
1,3,4-Thiadiazole, 2,5-bis(octylidithio)-	Not available	Not available
Ethylbenzene	100 ppm; 435 mg/m ³	20 ppm

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 chemically resistant protective 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	: Clear red-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	: ~ 205°C (~ 400°F) (COC)
Relative evaporation rate	: No data available

Lubegard® Automatic Transmission Fluid Protectant

Safety Data Sheet

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Flammability (solid, gas)	: Not flammable
Lower flammable / Explosive limit	: No data available
Upper flammable / Explosive limit	: No data available
Vapor pressure	: < 0.1 mm Hg
Vapor density	: No data available
Relative density	: 0.87 – 0.89 g/cm ³
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	: No data available
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

Oxidizers

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely Routes of Exposure

Eye contact, skin contact, 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 sensitization by skin contact.

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

Inhalation: May cause respiratory tract irritation.

11.2. Delayed, Immediate, and Chronic Effects of Short-Term and Long-Term Exposure

Skin Corrosion/Irritation:

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

Serious Eye Damage/Irritation:

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

Respiratory Sensitization:

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

Skin Sensitization:

May cause an allergic skin reaction.

STOT-Single Exposure:

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

Chronic Health Effects:

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

Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity:

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

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

STOT-Repeated Exposure:

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

Aspiration Hazard:

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

Toxicologically Synergistic Materials:

Not available.

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Safety Data Sheet

Conforms to United States Regulation 2012 OSHA HazCom & Canada HPR (WHMIS 2015)

Other Information:

Not available.

11.3. Acute Toxicity

Ingredient Name	LC50	LD50
Lubricating oils (petroleum), hydrotreated spent	Not available	Oral > 5000 mg/kg
Distillates, petroleum, hydrotreated heavy paraffinic	Not available	Oral > 15000 mg/kg, rat Dermal > 5000 mg/kg, rabbit
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	Not available	Not available
Ethylbenzene	Inhalation 17.2 mg/liter, 4 hours, rat	Oral 3500 mg/kg, rat Dermal 15354 mg/kg, rabbit

Calculated Overall Chemical Acute Toxicity Values

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
Not available	Not available	Not available

Ingredient Name	Chemical Listed as Carcinogen or Potential Carcinogen (CP65, OSHA, ACGIH, IARC, NTP)*
Lubricating oils (petroleum), hydrotreated spent	Not listed
Distillates, petroleum, hydrotreated heavy paraffinic	Not listed
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	Not listed
Ethylbenzene	CP65, G-A3, I-2B

* See Section 15 for more information

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

14.1 UN NUMBER	DOT Not regulated	TDG Not regulated
14.2 UN PROPER SHIPPING NAME	DOT Not regulated	TDG Not regulated
14.3 TRANSPORT HAZARD CLASS (ES)	DOT Not regulated	TDG Not regulated
14.4 PACKING GROUP	DOT Not regulated	TDG Not regulated

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Safety Data Sheet

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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.

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)

15.1.2. Canada: Safety data sheet prepared pursuant to the Hazardous Products Regulations (WHMIS 2015)

SARA Title III				
Ingredient Name	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Lubricating oils (petroleum), hydrotreated spent	Not listed	Not listed	Not listed	Not listed
Distillates, petroleum, hydrotreated heavy paraffinic	Not listed	Not listed	Not listed	Not listed
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	Not listed	Not listed	***	313
Ethylbenzene	Not listed	Not listed	1000	313

State Regulations
California Proposition 65:
This product contains a chemical known to the State of California to cause cancer.

Global Inventories		
Ingredient Name	Canada DSL/NDSL	USA TSCA
Lubricating oils (petroleum), hydrotreated spent	DSL	Yes
Distillates, petroleum, hydrotreated heavy paraffinic	DSL	Yes
1,3,4-Thiadiazole, 2,5-bis(octyldithio)-	DSL	Yes
Ethylbenzene	DSL	Yes

NFPA - National Fire Protection Association	
Health:	2
Fire:	1
Reactivity:	0

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

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65 California Proposition 65

OSHA Occupational Safety and Health Administration.

ACGIH American Conference of Governmental Industrial Hygienists.

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Safety Data Sheet

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- 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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End of Safety Data Sheet