Lubegard® M-V Automatic Transmission Fluid Supplement

Safety Data Sheet
Conforms to United States OSHA 2012 HazCom

Date of issue: 02/13/2014    Revision date: 07/19/2018    Version: 2.1

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

1.1. Product identifier

Product name : Lubegard® M-V Automatic Transmission Fluid Supplement
Product code : 62005, 62015, 62055

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

2.2. Label elements

Label elements according to United States OSHA 2012 HazCom

Hazard Pictograms

![Warning]

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
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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
78% 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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>GHS – OSHA Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</td>
<td>68411-46-1</td>
<td>7 - 13</td>
<td>Not classified</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octylthio)-</td>
<td>13539-13-4</td>
<td>0.1 – 1.0</td>
<td>Skin Irritant Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irritant Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sensitizer Category 1A</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>&lt; 0.1%</td>
<td>Flammable Liquid Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Toxicity Category 4 (Inhalation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carcinogen Category 2</td>
</tr>
</tbody>
</table>

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/advice if you feel unwell.

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
May cause skin irritation. Symptoms may include redness, 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

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: None known
### Special Hazards Arising from the Chemical

**Fire Hazard:** May include, but are not limited to oxides of carbon, oxides of phosphorous.

### 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).

### Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

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

**For emergency responders:** No additional information available.

#### 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.

### Handling and storage

#### 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.

#### 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.

#### Specific End use(s)

Not available.

### Exposure controls/personal protection

#### Control parameters

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octyldithio)-</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100 ppm</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

#### Engineering Controls

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

#### 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, physical state and color</td>
<td>Transparent red-colored liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point / Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point / Boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>~ 162°C (~ 323°F)</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Lower flammable / Explosive limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper flammable / Explosive limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.90 g/cm³ @ 60°F</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>65 cSt @ 40°C</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 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.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>No data available</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>No data available</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rabbit</th>
<th>LC50 inhalation rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)</td>
<td>&gt;5000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>No data available</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octyldithio)- (13539-13-4)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Ethylbenzene (100-41-4)</td>
<td>3500 mg/kg</td>
<td>15354 mg/kg</td>
<td>17.2 mg/L, 4 hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, Prop 65) (See Section 15 for more information)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</td>
<td>Not listed</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octyldithio)-</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>G-A3, 1-2B, CP65</td>
</tr>
</tbody>
</table>

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 or Skin Sensitization: May cause an allergic skin reaction. 
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met. 
Carcinogenicity: Based on available data, the classification criteria are not met. 
Reproductive Toxicity: Based on available data, the classification criteria are not met. 
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: May cause respiratory tract irritation. 
Symptoms/injuries after inhalation: May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin. May cause sensitization by skin contact. 
Symptoms/injuries after skin contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness or swelling. 
Symptoms/injuries after eye contact: May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. 
Symptoms/injuries after ingestion: 

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


<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Section 302 (EHS) TPQ (lbs.)</th>
<th>Section 304 EHS RQ (lbs.)</th>
<th>CERCLA RQ (lbs.)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octyldithio)-</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Not listed</td>
<td>Not listed</td>
<td>1000</td>
<td>313</td>
</tr>
</tbody>
</table>

State Regulations

California Proposition 65:

⚠️ WARNING: This product can expose you to ethyl benzene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>USA TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</td>
<td>Yes</td>
</tr>
<tr>
<td>1,3,4-Thiadiazole, 2,5-bis(octyldithio)-</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Yes</td>
</tr>
</tbody>
</table>

NFPA - National Fire Protection Association

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Hazard Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>HMIS – Hazardous Materials Identification System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health: 2</td>
</tr>
<tr>
<td>Fire: 1</td>
</tr>
<tr>
<td>Reactivity: 0</td>
</tr>
</tbody>
</table>

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.
  - 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

Date of Preparation: July 7, 2014
Version: 2.0
Revision Date: July 19, 2018

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.

Prepared by: International Lubricants, Inc.
Phone: (800)-333-5823
www.lubegard.com

End of Safety Data Sheet