

#### Safety Data Sheet

Conforms to United States OSHA 2012 HazCom

Date of issue: 10/10/2014 Revision date: 07/19/2018 : Version: 1.1

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

#### 1.1. Product identifier

Product name : Lubegard® Complete Multi-Vehicle Dual Clutch Transmission Fluid

Product code : 56005, 56032, 56055, 56330

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

#### 1.2.1 Relavant 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**



<u>Signal Word</u> Warning

<u>Hazard Statements</u> 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

 ${\sf P272-Contaminated}\ work\ clothing\ must\ not\ be\ allowed\ out\ of\ the\ workplace$ 

P363 - Wash contaminated clothing before reuse

Response P302+P352 - IF ON SKIN: Wash with plenty of soap and water

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

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     | 15 – 40   | Aspiration hazard, Category 1  |
| Lubricating oils (petroleum), C20 - C50, hydrotreated neutral oil-based                         | 72623-87-1     | 3 – 7     | Aspiration hazard, Category 1  |
| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives | 84605-20-9     | 1 – 5     | Not classified   |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                                       | 64742-65-0     | 1 – 5     | Not classified   |
| Distillates, petroleum, solvent dewaxed light paraffinic  | 64742-56-9     | 1 – 5     | Not classified   |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                             | 68784-17-8     | 0.5 – 1.5 | Causes skin irritation Causes serious eye irritation   |
| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-   | 89347-09-1     | 0.5 – 1.5 | May cause an allergic skin reaction  |
| $C_{14}$ to $C_{18}$ alpha-olefin epoxide, reaction products with boric acid                    | EPA Acc# 58641 | 0.1 – 1   | Unknown  |
| Distillates (petroleum), hydrotreated middle  | 64742-46-7     | 0.1 – 1   | Aspiration hazard, Category 1  |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives   | 61791-44-4     | 0.1 – 1   | Acute toxicity, oral, Category 4 Skin corrosion/irritation, Category 1   |
| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester   | 688-84-6       | 0.1 – 1   | Flammable liquids, Category 4 Eye Irritation, Category 2A Skin Irritation, Category 2 Specific Target Organ Toxicity, Single Exposure, Respiratory System, Category 3    |
| 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 |
| Sulfur Dioxide  | 7446-09-5      | <0.1      | Acute toxicity, inhalation, Category 3 Skin corrosion, Category 1B Serious eye damage, Category 1  |
| Trimethyl Phosphate   | 512-56-1       | <0.1      | Acute toxicity, oral, Category 4 Skin irritation, Category 2 Eye irritation, Category 2A Germ cell mutagenicity, Category 1B Carcinogenicity, Category 2                 |

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#### **SECTION 4: First aid measures**

#### **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. I 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

#### 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 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 marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion

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

#### 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**

#### **Extinguishing Media**

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

**Unsuitable Extinguishing Media:** None known

#### 5.2. **Special Hazards Arising from the Chemical**

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

#### **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**

#### 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.

#### 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**

#### 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.

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#### 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.

#### 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), C20 - C50, hydrotreated neutral oil-based                         | Not available        | Not available        |
| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives | Not available        | Not available        |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                                       | Not available        | Not available        |
| Distillates, petroleum, solvent dewaxed light paraffinic  | Not available        | Not available        |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                             | Not available        | Not available        |
| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-   | Not available        | Not available        |
| C <sub>14</sub> to C <sub>18</sub> alpha-olefin epoxide, reaction products with boric acid      | Not available        | Not available        |
| Distillates (petroleum), hydrotreated middle  | Not available        | Not available        |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives   | Not available        | Not available        |
| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester   | Not available        | Not available        |
| Diphenylamine   | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |
| Sulfur Dioxide  | 5 ppm                | 0.25 ppm, STEL       |
| Trimethyl Phosphate   | Not available        | Not available        |

#### 8.2. Exposure controls

| Engineering Controls | ŀ | 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      |   |   |
|------------------------------------|---|---|
| Hand protection                    | : | Wear chemically resistant protective gloves.  |
| Eye protection                     |   | Wear approved eye protection (properly fitted dust-proof or splash-proof chemical safey 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                 |
| рН                                    | : | No data available                 |
| Melting point / Freezing Point        | : | No data available                 |
| Initial boiling point / Boiling range | : | No data available                 |
| Flash point                           | : | 199°C (390°F) ASTM D92            |
| Relative evaporation rate             | : | No data available                 |

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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                         | : | No data available |
| Vapor density                          | : | No data available |
| Relative density                       | : | 0.85 g/cm³ @ 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 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

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

| Lubegard® Complete M-V DCT Fluid |                   |  |
|----------------------------------|-------------------|--|
| LD50 oral rat                    | >2000 mg/kg       |  |
| LD50 dermal rabbit               | >2000 mg/kg       |  |
| LC50 inhalation rat              | >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   | 3900 mg/m³, 4 hours |  |

| Hydrotreated, heavy paraffinic petroleum distillate (64742-54-7) |                     |  |
|--|---------------------|--|
| LD50 oral rat  | >15000 mg/kg        |  |
| LD50 dermal rabbit   | >5000 mg/kg         |  |
| LC50 inhalation rat  | >5.53 mg/L, 4 hours |  |

| Lubricating oils (petroleum), C20 - C50, hydrotreated neutral oil-based (72623-87-1) |                    |  |
|--|--------------------|--|
| LD50 oral rat  | >5000 mg/kg        |  |
| LD50 dermal rabbit   | >2000 mg/kg        |  |
| LC50 inhalation rat  | 2.18 mg/L, 4 hours |  |

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| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives (84605-20-9) |                   |  |
|--|-------------------|--|
| LD50 oral rat  | No data available |  |
| LD50 dermal rabbit   | No data available |  |
| LC50 inhalation rat  | No data available |  |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) |                    |  |
|--|--------------------|--|
| LD50 oral rat  | >5000 mg/kg        |  |
| LD50 dermal rabbit   | >5000 mg/kg        |  |
| LC50 inhalation rat  | 2.18 mg/L, 4 hours |  |

| Distillates, petroleum, solvent dewaxed light paraffinic (64742-56-9) |                   |
|---|-------------------|
| LD50 oral rat   | >5000 mg/kg       |
| LD50 dermal rabbit  | >5000 mg/kg       |
| LC50 inhalation rat   | No data available |

| Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8) |                   |
|--|-------------------|
| LD50 oral rat  | No data available |
| LD50 dermal rabbit   | No data available |
| LC50 inhalation rat  | No data available |

| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)- (89347-09-1) |                   |
|--|-------------------|
| LD50 oral rat  | >10000 mg/kg      |
| LD50 dermal rabbit   | >2000 mg/kg       |
| LC50 inhalation rat  | No data available |

| C <sub>14</sub> to C <sub>18</sub> alpha-olefin epoxide, reaction products with boric acid (EPA Acc# 58641) |                   |
|---|-------------------|
| LD50 oral rat   | No data available |
| LD50 dermal rabbit  | No data available |
| LC50 inhalation rat   | No data available |

| Distillates (petroleum), hydrotreated middle (64742-46-7) |                   |
|---|-------------------|
| LD50 oral rat   | 7400 mg/kg        |
| LD50 dermal rabbit  | >2000 mg/kg       |
| LC50 inhalation rat                                       | 4.6 mg/L, 4 hours |

| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (61791-44-4) |                   |
|--|-------------------|
| LD50 oral rat  | 630 mg/kg         |
| LD50 dermal rabbit   | No data available |
| LC50 inhalation rat  | No data available |

| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester (688-84-6) |                   |
|--|-------------------|
| LD50 oral rat  | 16465 mg/kg       |
| LD50 dermal rabbit   | No data available |
| LC50 inhalation rat  | No data available |

| Diphenylamine (122-39-4) |                   |
|--------------------------|-------------------|
| LD50 oral rat            | 1165 mg/kg        |
| LD50 dermal rabbit       | >2000 mg/kg       |
| LC50 inhalation rat      | No data available |

| Sulfur Dioxide (7446-09-5) |                   |  |
|----------------------------|-------------------|--|
| LD50 oral rat              | No data available |  |
| LD50 dermal rabbit         | No data available |  |
| LC50 inhalation rat        | 2520 ppm, 1 hour  |  |

| Trimethyl Phosphate (512-56-1) |            |
|--------------------------------|------------|
| LD50 oral rat                  | 840 mg/kg  |
| LD50 dermal rabbit             | 3433 mg/kg |

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| Trimethyl Phosphate (512-56-1) |                     |                   |
|--------------------------------|---------------------|-------------------|
|                                | LC50 inhalation rat | No data available |

| Ingredient  | Chemical Listed as a Carcinogen or Potential<br>Carcinogen<br>(NTP, IARC, OSHA, ACGIH, Prop 65)<br>(See Section 15 for more information) |
|---|--|
| Distillator (rates lavor) budgetor at all light a sufficient                                    | No. Co.  |
| Distillates (petroleum), hydrotreated light paraffinic  | Not listed   |
| Hydrotreated, heavy paraffinic petroleum distillate   | Not listed   |
| Lubricating oils (petroleum), C20 - C50, hydrotreated neutral oil-based                         | Not listed   |
| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives | Not listed   |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                                       | Not listed   |
| Distillates, petroleum, solvent dewaxed light paraffinic  | Not listed   |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                             | Not listed   |
| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-   | Not listed   |
| C <sub>14</sub> to C <sub>18</sub> alpha-olefin epoxide, reaction products with boric acid      | Not listed   |
| Distillates (petroleum), hydrotreated middle  | Not listed   |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives   | Not listed   |
| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester   | Not listed   |
| Diphenylamine   | IARC Group 4   |
| Sulfur Dioxide  | IARC Group 3, Prop 65  |
| Trimethyl Phosphate   | Prop 65  |

Skin Corrosion/Irritation:

Serious Eye Damage/Irritation:

Respiratory or Skin Sensitization:

**Germ Cell Mutagenicity:** 

Carcinogenicity:

Reproductive Toxicity:

**Specific Target Organ Toxicity - Single Exposure:** 

Specific Target Organ Toxicity - Repeated Exposure:

**Aspiration Hazard:** 

Symptoms/injuries after inhalation:

Symptoms/injuries after skin contact:

Symptoms/injuries after eye contact:

Symptoms/injuries after ingestion:

May cause skin irritation. May cause eye irritation.

May cause an allergic skin reaction.

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

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May cause respiratory tract irritation.

May cause skin irritation. Symptoms may include redness,

drying, defatting, and cracking of the skin. May cause an allergic

skin reaction.

May cause eye irritation. Symptoms may include discomfort or

pain, excess blinking and tear production, with marked redness

and swelling of the conjunctiva.

May be harmful if swallowed. May cause stomach distress,

nausea, or vomiting.

| 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   |

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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)

| Ingredient Name   | Section 302 (EHS)<br>TPQ (lbs.) | Section 304 EHS<br>RQ (lbs.) | CERCLA RQ<br>(lbs.) | Section 313 |
|---|---------------------------------|------------------------------|---------------------|-------------|
|   |                                 | 1                            |                     |             |
| 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), C20 - C50, hydrotreated neutral oil-based                         | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                                       | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Distillates, petroleum, solvent dewaxed light paraffinic  | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                             | Not listed                      | Not listed                   | Not listed          | Not listed  |
| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-   | Not listed                      | Not listed                   | Not listed          | Not listed  |
| $C_{14}$ to $C_{18}$ alpha-olefin epoxide, reaction products with boric acid                    | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Distillates (petroleum), hydrotreated middle  | Not listed                      | Not listed                   | Not listed          | Not listed  |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives   | Not listed                      | Not listed                   | Not listed          | Not listed  |
| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester   | Not listed                      | Not listed                   | Not listed          | Not listed  |

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| Diphenylamine       | Not listed | Not listed | Not listed | 313        |
|---------------------|------------|------------|------------|------------|
| Sulfur Dioxide      | 500        | 500        | Not listed | Not listed |
| Trimethyl Phosphate | Not listed | Not listed | Not listed | Not listed |

#### State Regulations

#### California Proposition 65:

**WARNING**: This product can expose you to trimethyl phosphate, which is known to the State of California to cause cancer, and sulfur dioxide, which is known to the State of California to cause reproductive toxicity. 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), C20 - C50, hydrotreated neutral oil-based                         | Yes  |  |
| Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives | Yes  |  |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                                       | Yes  |  |
| Distillates, petroleum, solvent dewaxed light paraffinic  | Yes  |  |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine                             | Yes  |  |
| 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-   | Yes  |  |
| C <sub>14</sub> to C <sub>18</sub> alpha-olefin epoxide, reaction products with boric acid      | Yes  |  |
| Distillates (petroleum), hydrotreated middle  | Yes  |  |
| Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives   | Yes  |  |
| 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester   | Yes  |  |
| Sulfur Dioxide  | Yes  |  |
| Trimethyl Phosphate   | Yes  |  |

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

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

| HMIS – Hazardous Materials Information System |   |  |
|---|---|--|
|   |   |  |
| 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.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

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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: October 10, 2014

Version: 1.1

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