

## **Section 1: IDENTIFICATION**

#### 1.1 PRODUCT IDENTIFIER

Product Name: Lubegard® Limited Slip Supplement

**Product Code:** 31901, 31904, 31905, 31920, 31921, 31955, 42851

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** CHEM TEL (800) 255-3924 **Number:** 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 - Oral Eye irritation 2A

## 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

### **Hazard Pictogram:**



Signal Word: Warning

Hazard Statement: Harmful if swallowed. Causes serious eye irritation.

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke

when using this product. Wear eye protection/face protection.

Response: If swallowed: Immediately call a poison center/doctor. Rinse mouth. If

in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/attention.

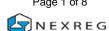
Storage: Not applicable.

**Disposal:** Dispose of contents and container in accordance with all local,

regional, national and international regulations.

## 2.3 ADDITIONAL INFORMATION

Hazards not otherwise specified: Not available.





66 % of the mixture consists of ingredient(s) of unknown acute toxicity.

#### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 MIXTURES

| Ingredient                                   | CAS No     | Wt. %   |
|--|------------|---------|
|  |            |         |
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | 68603-55-4 | 10 - 30 |

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. 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.

**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: Causes serious eye irritation. Symptoms may include discomfort or

pain, excess blinking and tear production, with marked redness and

swelling of the conjunctiva.

**Skin:** May cause skin irritation. Symptoms may include redness, edema,

drying, defatting and cracking of the skin.

**Inhalation:** Inhalation of vapors formed during heating may cause respiratory

irritation, dizziness, and nausea.

**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Note to Physicians: In case of accident or if you feel unwell, seek medical advice

immediately (show the label or MSDS where possible).

**Specific Treatments:** Symptoms may not appear immediately.

#### **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

phosphorus.



## 5.3 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

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.

**Section 7: HANDLING AND STORAGE** 

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Do not swallow. Do not breathe

gas/fumes/vapor/spray. 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 sealed until

ready to use. Store in a cool, well-ventilated place, away from incompatibles. 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      |
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | Not available. | Not available. |

#### **8.2 EXPOSURE CONTROLS**

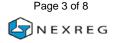
**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust,

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** 

Handle according to established industrial hygiene and safety

Measures:

practices.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Oily liquid. Color: Gold.

Odor: Slight petroleum odor.

Odor Threshold: Not available.

**Physical State:** Liquid.

Not available. pH: **Melting Point/Freezing Point:** Not available. **Initial Boiling Point and Boiling Range:** Not available.

Flash Point: ~ 104 °C (220 °F)

**Evaporation Rate:** Negligible. Flammability: Not flammable.

**Lower Flammability/Explosive Limit:** Not available. **Upper Flammability/Explosive Limit:** Not available. **Vapor Pressure:** Not available. Vapor Density: > 1 (Air = 1)

Relative Density/Specific Gravity: 0.86

Solubility: Negligible. Partition coefficient: n-octanol/water:

Not available. **Auto-ignition Temperature:** Not available. **Decomposition Temperature:** Not available.

Viscosity: 38.4 cSt @ 40 °C (104 °F)

**Oxidizing Properties:** Not available. **Explosive Properties:** Not available.

Print date: 2014-03-31



# **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 phosphorus.

#### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

# Symptoms related to physical/chemical/toxicological characteristics:

Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying,

defatting and cracking of the skin.

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

Inhalation: Inhalation of vapors formed during heating may cause respiratory irritation,

dizziness, and nausea.

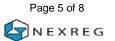
# **Acute Toxicity:**

| Ingredient                                   | LC50           | LD50                     |
|--|----------------|--------------------------|
|  |                | Oral LD50 300 mg/kg, rat |
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | Not available. | (estimated)              |

| Calculated overall Chemical Acute Toxicity Values |                      |                      |
|---|----------------------|----------------------|
| LC50 (inhalation)                                 | LD50 (oral)          | LD50 (dermal)        |
| Not available.                                    | 300 – 2000 mg/g, rat | > 2000 mg/kg, rabbit |

| Ingredient                                   | Chemical Listed as Carcinogen or<br>Potential Carcinogen<br>(NTP, IARC, OSHA, ACGIH, CP65)* |  |  |
|--|---|--|--|
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | Not listed.   |  |  |

<sup>\*</sup> See Section 15 for more information.





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

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory Sensitization:

Skin Sensitization:

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

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

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.

Other Information: Not available.

#### 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.

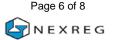
Other disposal recommendations: Not available.

## **Section 14: TRANSPORT INFORMATION**

#### **14.1 UN NUMBER**

Not applicable.







# 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.

## 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

| SARA Title III                               |             |             |                |             |
|--|-------------|-------------|----------------|-------------|
| <b>9</b>                                     |             |             | Section<br>313 |             |
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | Not listed. | Not listed. | Not listed.    | Not listed. |

# **State Regulations**

# **California Proposition 65:**

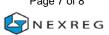
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## **Global Inventories:**

| Ingredient                                   | USA<br>TSCA |
|--|-------------|
| Amines, C12-14-alkyl, C6-10-alkyl phosphates | Yes.        |

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

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



Print date: 2014-03-31



## 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:** March 31, 2014

Version: 1.0

Revision Date: March 31, 2014

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Prepared for: International Lubricants Inc.

**End of Safety Data Sheet** 

