



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Lubegard® Universal Limited Slip Supplement  
**Product Number:** 31904, 31920, 31901, 30905, 31955  
**Product Use:** Lubricant.  
**Manufacturer/Supplier:** International Lubricants, Inc.  
P.O. Box 24743, Seattle WA  
98124-0743, USA  
**Phone Number:** (206) 762-5343  
(800) 333-LUBE (5823)  
**Emergency Phone:** CHEM TEL (800) 255-3924  
CHEM TEL (813) 248-0585  
**Date of Preparation:** January 10, 2012

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

**Potential Health Effects:** See Section 11 for more information.

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

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

**Inhalation:** Not a normal route of exposure. Inhalation of vapours formed during heating may cause respiratory irritation, dizziness, and nausea. This product may be aspirated into the lungs and cause chemical pneumonitis.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation and dermatitis.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate	135458-00-3	40 - 70
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	10 - 30
Oils, animal, mixed with vegetable oils, sulfurized	68991-19-5	0.5 - 1.5

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Skin Contact:** 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.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

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

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

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

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** 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:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**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 Clean-Up:** Scoop up material and place in a disposal container.

**Other Information:** Not available.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

## Section 7: HANDLING AND STORAGE

### 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. Wash hands before eating, drinking, or smoking.

### 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.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate	Not available.	Not available.
Amines, C12-14-alkyl, C6-10-alkyl phosphates	Not available.	Not available.
Oils, animal, mixed with vegetable oils, sulfurized	Not available.	Not available.

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

### Personal Protective Equipment:

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** None necessary under normal conditions of use.

**Respiratory Protection:** None necessary under normal conditions of use.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Oily liquid.
<b>Color:</b>	Gold.
<b>Odour:</b>	Slight petroleum odour.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	38.4 cSt @ 40 °C (104 °F)
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	~ 104 °C (220 °F)
<b>Evaporation Rate:</b>	Negligible.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	> 1 (Air = 1)
<b>Specific Gravity:</b>	0.86
<b>Solubility in Water:</b>	Negligible.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon, oxides of phosphorus.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

<b>Ingredient</b>	<b>LD<sub>50</sub> (oral)</b>	<b>LC<sub>50</sub></b>
Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate	Not available.	Not available.
Amines, C12-14-alkyl, C6-10-alkyl phosphates	Not available.	Not available.
Oils, animal, mixed with vegetable oils, sulfurized	Not available.	Not available.

**Eye:** May cause 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:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

**Inhalation:** Not a normal route of exposure. Inhalation of vapours formed during heating may cause respiratory irritation, dizziness, and nausea. This product may be aspirated into the lungs and cause chemical pneumonitis.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

**Chronic Effects:** Not hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Not hazardous by WHMIS/OSHA criteria.



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

## Ingredient

Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate  
Amines, C12-14-alkyl, C6-10-alkyl phosphates  
Oils, animal, mixed with vegetable oils, sulfurized

## Chemical Listed as Carcinogen or Potential Carcinogen \*

Not listed.  
Not listed.  
Not listed.

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

### Developmental Effects:

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

### Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### DOT Classification

Not regulated

### TDG Classification

Not regulated

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).



# MATERIAL SAFETY DATA SHEET

Lubegard® Universal Limited Slip Supplement

## SARA Title III

### Ingredient

Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
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Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate	Not listed.	Not listed.	Not listed.	Not listed.
Amines, C12-14-alkyl, C6-10-alkyl phosphates	Not listed.	Not listed.	Not listed.	Not listed.
Oils, animal, mixed with vegetable oils, sulfurized	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

Canada DSL/NDSL	USA TSCA
NDSL	Yes.
DSL	Yes.
DSL	Yes.

Fatty acids, C14-18 and C16-22, unsaturated, 2-octyldodecyl esters, reaction products with dibutyl phosphonate  
 Amines, C12-14-alkyl, C6-10-alkyl phosphates  
 Oils, animal, mixed with vegetable oils, sulfurized

## HMIS - Hazardous Materials Identification System

Health - 2      Flammability - 1      Physical Hazard - 0      PPE - B

## NFPA - National Fire Protection Association:

Health - 2      Fire - 1      Reactivity - 0

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

## WHMIS Classification(s):

Class D2B - Skin/Eye Irritant

## WHMIS Hazard Symbols:



## 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.



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**Section 16: OTHER INFORMATION**

**Disclaimer:**

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.

**Canadian WHMIS Expiry Date:** January 10, 2015

**Version #:** 1.0

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