



# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** Lubegard® Forming Paste  
**Product Code:** 10310, 10315, 10355

### 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 Number:** CHEM TEL (800) 255-3924  
CHEM TEL (813) 248-0585

## Section 2: HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

#### Hazard class

Eye irritation 2A  
Skin sensitization 1

### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

#### Hazard Pictogram:



**Signal Word:** Warning  
**Hazard Statement:** Causes serious eye irritation. May cause an allergic skin reaction.  
**Prevention:** Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.  
**Response:** 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. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.  
**Storage:** Not applicable.  
**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.



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### 2.3 ADDITIONAL INFORMATION

**Hazards not otherwise classified:** Not applicable.

32 % of the mixture consists of ingredient(s) of unknown acute toxicity.

**WHMIS Classification(s):**

Class D2B - Skin Sensitization

Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**



**WHMIS Signal Word:** WARNING

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

| Ingredient                             | CAS No     | Wt. %  |
|--|------------|--------|
| Dibasic esters                         | 95481-62-2 | 7 - 13 |
| Stearic acid                           | 57-11-4    | 7 - 13 |
| Hydrotreated heavy naphtha (petroleum) | 64742-48-9 | 5 - 10 |
| Citrus extracts (citrus terpenes)      | 94266-47-4 | 1 - 5  |

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. Remove contaminated clothing and shoes. Wash clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.
- 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, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
- Inhalation:** May cause respiratory tract irritation.



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**Ingestion:** May be 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:** 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: FIRE-FIGHTING MEASURES

### 5.1 FLAMMABILITY

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

### 5.2 EXTINGUISHING MEDIA

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

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

### 5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

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

#### 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).

## 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. Provide ventilation.

## Section 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid contact with skin and eyes. Do not swallow. Avoid breathing dust/fume/gas/mist/ vapours/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.



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## 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Keep container tightly closed. (See section 10)

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### Exposure Guidelines

| Occupational Exposure Limits           |                |                |
|--|----------------|----------------|
| Ingredient                             | OSHA-PEL       | ACGIH-TLV      |
| Dibasic esters                         | Not available. | Not available. |
| Stearic acid                           | Not available. | Not available. |
| Hydrotreated heavy naphtha (petroleum) | Not available. | Not available. |
| Citrus extracts (citrus terpenes)      | 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:** Wear eye protection.

#### Skin Protection:

**Hand Protection:** Wear chemical resistant 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 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:** Paste-like compound.

**Color:** White.

**Odor:** Citrus.

**Odor Threshold:** Not available.

**Physical State:** Liquid.

**pH:** Not available.

**Melting Point/Freezing Point:** Not available.

**Initial Boiling Point and Boiling Range:** Not available.

**Flash Point:** > 104 °C (> 220 °F)



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|  |                        |
|--|------------------------|
| <b>Evaporation Rate:</b>                       | Negligible.            |
| <b>Flammability:</b>                           | Not flammable.         |
| <b>Lower Flammability/Explosive Limit:</b>     | Not available.         |
| <b>Upper Flammability/Explosive Limit:</b>     | Not available.         |
| <b>Vapor Pressure:</b>                         | 1 mmHg @ 25 °C (77 °F) |
| <b>Vapor Density:</b>                          | Not available.         |
| <b>Relative Density/Specific Gravity:</b>      | 0.97                   |
| <b>Solubility:</b>                             | Complete.              |
| <b>Partition coefficient: n-octanol/water:</b> | Not available.         |
| <b>Auto-ignition Temperature:</b>              | Not available.         |
| <b>Decomposition Temperature:</b>              | Not available.         |
| <b>Viscosity:</b>                              | Not available.         |
| <b>Explosive Properties:</b>                   | Not available.         |
| <b>Oxidizing Properties:</b>                   | Not available.         |
| <b>Percent Volatile, wt. %:</b>                | < 1% @ 25 °C (77 °F)   |

### 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

Strong oxidizers.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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

**Symptoms related to physical/chemical/toxicological characteristics:**

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

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

**Acute Toxicity:**

| Ingredient                             | LC50           | LD50  |
|--|----------------|---|
| Dibasic esters                         | Not available. | Not available.                                      |
| Stearic acid                           | Not available. | Dermal >5 g/kg, rabbit                              |
| Hydrotreated heavy naphtha (petroleum) | Not available. | Oral >5000 mg/kg, rat<br>Dermal >3160 mg/kg, rabbit |
| Citrus extracts (citrus terpenes)      | Not available. | Not available.                                      |

**Calculated overall Chemical Acute Toxicity Values**

| LC50 (inhalation) | LD50 (oral)       | LD50 (dermal)        |
|-------------------|-------------------|----------------------|
| Not available.    | > 2000 mg/kg, rat | > 2000 mg/kg, rabbit |

| Ingredient                             | Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)* |
|--|---|
| Dibasic esters                         | Not listed.   |
| Stearic acid                           | Not listed.   |
| Hydrotreated heavy naphtha (petroleum) | Not listed.   |
| Citrus extracts (citrus terpenes)      | Not listed.   |

\* 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:** 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.

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

**Embryotoxicity:** 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.

**Other Information:** Not available.



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### 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

**DOT**

Not regulated.

**TDG**

Not regulated.

#### 14.2 UN PROPER SHIPPING NAME

**DOT**

Not applicable.

**TDG**

Not applicable.

#### 14.3 TRANSPORT HAZARD CLASS (ES)

**DOT**

Not applicable.

**TDG**

Not applicable.

#### 14.4 PACKING GROUP

**DOT**

Not applicable.

**TDG**

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.

**SAFETY DATA SHEET****Section 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

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

**US:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

| SARA Title III                         |                                 |                              |                     |                |
|--|---------------------------------|------------------------------|---------------------|----------------|
| Ingredient                             | Section 302<br>(EHS) TPQ (lbs.) | Section 304<br>EHS RQ (lbs.) | CERCLA<br>RQ (lbs.) | Section<br>313 |
| Dibasic esters                         | Not listed.                     | Not listed.                  | Not listed.         | Not listed.    |
| Stearic acid                           | Not listed.                     | Not listed.                  | Not listed.         | Not listed.    |
| Hydrotreated heavy naphtha (petroleum) | Not listed.                     | Not listed.                  | Not listed.         | Not listed.    |
| Citrus extracts (citrus terpenes)      | 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<br>DSL/NDL | USA<br>TSCA |
|--|-------------------|-------------|
| Dibasic esters                         | No.               | No.         |
| Stearic acid                           | DSL               | Yes.        |
| Hydrotreated heavy naphtha (petroleum) | DSL               | Yes.        |
| Citrus extracts (citrus terpenes)      | DSL               | No.         |

**NFPA National Fire Protection Association:**

|                    |   |
|--------------------|---|
| <b>Health:</b>     | 2 |
| <b>Fire:</b>       | 1 |
| <b>Reactivity:</b> | 0 |

**HMIS-Hazardous Materials Identification System**

|                         |    |
|-------------------------|----|
| <b>Health:</b>          | 2* |
| <b>Fire:</b>            | 1  |
| <b>Physical Hazard:</b> | 0  |

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

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**CP65** California Proposition 65

**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.





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### 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

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**Date of Preparation:** June 9, 2015  
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## End of Safety Data Sheet