

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 09/24/2015

Reviewed on 09/24/2015

**\* 1 Identification**

- **Product identifier**
- **Trade name:** Drislide Robotic Grease LG-03
- **Product number:** DS338, DSL339, DSL340, DSL342
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product description** Robotic Grease
- **Details of the supplier of the safety data sheet:**
- **Manufacturer/Supplier:**  
Drislide N. America, Inc.  
1452 Delashmut Avenue  
Columbus, Ohio 43212  
Ph.: 614-291-6900  
Fax: 614-291-6929
- **Emergency telephone number:** 800-231-6901

**2 Hazard(s) identification**

- **Classification of the substance or mixture:**



GHS08 Health hazard

Carc. 1B                      H350 May cause cancer.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements:**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS08

- **Signal word:** Danger
- **Hazard-determining components of labeling:**  
Distillates (petroleum), solvent-refined heavy paraffinic
- **Hazard statements:**  
May cause cancer.  
Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**  
94 % of the mixture consists of component(s) of unknown toxicity.

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous Components:**

	Highly refined mineral oils Aquatic Acute 3, H402; Aquatic Chronic 3, H412	60-90%
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic ☠ Carc. 1B, H350	25-50%
64742-58-1	Lubricating oils, petroleum, hydrotreated spent Eye Irrit. 2B, H320	≤ 2.5%

### 4 First-aid measures

- **Description of first aid measures:**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.

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**Trade name: Drislide Robotic Grease LG-03****· Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

**· Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.  
Dispose of the collected material according to regulations.

**· Reference to other sections:**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage****· Handling****· Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.

**· Information about protection against explosions and fires:** Keep protective respiratory device available.**· Conditions for safe storage, including any incompatibilities:****· Storage****· Requirements to be met by storerooms and receptacles:** No special requirements.**· Information about storage in one common storage facility:** Not required.**· Further information about storage conditions:** None.**· Specific end use(s):** No further relevant information available.**8 Exposure controls/personal protection****· Additional information about design of technical systems:** No further data; see section 7.**· Control parameters:****· Components with occupational exposure limits:****64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic**

TWA	Short-term value: 1 mg/m <sup>3</sup>
	Long-term value: 3 mg/m <sup>3</sup>

**64742-58-1 Lubricating oils, petroleum, hydrotreated spent**

TWA	Short-term value: 5
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**· Additional information:** The lists that were valid during the creation of this SDS were used as basis.**· Exposure controls:****· Personal protective equipment:****· General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing and wash before reuse.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.

**· Breathing equipment:** Not required.

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**Trade name: Drislide Robotic Grease LG-03****· Protection of hands:**

Protective gloves

- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles

**\* 9 Physical and chemical properties****· Information on basic physical and chemical properties****· General Information****· Appearance:**

- Form:** Semi-solid
- Color:** Green
- Odor:** Petroleum-like
- Odor threshold:** Not determined.

**· Change in condition**

- Melting point/Melting range:** Not determined.
- Boiling point/Boiling range:** Not determined.

- Flash point:** 107 °C (225 °F)

- Flammability (solid, gaseous):** Not applicable.

- Ignition temperature:** Not determined

- Decomposition temperature:** Not determined.

- Auto igniting:** Product is not self-igniting.

- Danger of explosion:** Product does not present an explosion hazard.

**· Explosion limits:**

- Lower:** 0.0 Vol %
- Upper:** 0.0 Vol %

- Vapor pressure @ 20 °C (68 °F):** 0.5 hPa

**· Density:**

- Relative density:** Not determined.
- Vapor density:** Not determined.
- Evaporation rate:** Not determined.

**· Solubility in / Miscibility with:**

- Water:** Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water):** Not determined.

**· Viscosity:**

- Dynamic:** Not determined.
- Kinematic:** Not determined.

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- **Solvent content:**
  - **Organic solvents:** 0.0 %
  - **Solids content:** 0.2 %
- **Other information:** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**64742-58-1 Lubricating oils, petroleum, hydrotreated spent**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
		>4480 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Carcinogenic.

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological information**

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

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- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **UN-Number:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

**Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**California Proposition 65:****Chemicals known to cause cancer:**

None of the ingredients are listed.

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· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients are listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients are listed.
· <b>Chemicals known to cause developmental toxicity:</b>
None of the ingredients are listed.
· <b>Carcinogenic categories:</b>
· <b>EPA (Environmental Protection Agency):</b>
None of the ingredients are listed.
· <b>TLV (Threshold Limit Value established by ACGIH):</b>
None of the ingredients are listed.
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>
None of the ingredients are listed.

- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS08

- **Signal word:** Danger
- **Hazard-determining components of labeling:**  
Distillates (petroleum), solvent-refined heavy paraffinic
- **Hazard statements:**  
May cause cancer.  
Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

· <b>National regulations:</b>
The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· <b>State Right to Know:</b>		
	Highly refined mineral oils Aquatic Acute 3, H402; Aquatic Chronic 3, H412	60-90%
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic ⚠️ Carc. 1B, H350	25-50%
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All ingredients are listed.

- **Information about limitation of use:**
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 09/24/2015 / 2
  - **Abbreviations and acronyms:**
    - ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
    - ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
    - IMDG: International Maritime Code for Dangerous Goods
    - DOT: US Department of Transportation
    - IATA: International Air Transport Association
    - ACGIH: American Conference of Governmental Industrial Hygienists
    - EINECS: European Inventory of Existing Commercial Chemical Substances
    - ELINCS: European List of Notified Chemical Substances
    - CAS: Chemical Abstracts Service (division of the American Chemical Society)
    - NFPA: National Fire Protection Association (USA)
    - HMSIS: Hazardous Materials Identification System (USA)
    - LC50: Lethal concentration, 50 percent
    - LD50: Lethal dose, 50 percent
    - PBT: Persistent, Bioaccumulative and Toxic
    - vPvB: very Persistent and very Bioaccumulative
    - Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
    - Carc. 1B: Carcinogenicity, Hazard Category 1B
    - Aquatic Acute 3: Hazardous to the aquatic environment - AcuteHazard, Category 3
    - Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
  - **\* Data compared to the previous version altered.**
- SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) +1-877-204-9106