

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/03/2023 Reviewed on 05/03/2023

## 1 Identification

- · Product Identifier
- · Trade Name: Drislide Robotic Grease LG-01-02 LZ
- · Product Number: DSL800, DSL801 & DSL802
- · 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:

Aquatic Acute 3 H402 Harmful to aquatic life.

- · Label elements:
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements:

H402 Harmful to aquatic life.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

95.5 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- NFPA ratings (scale 0 4)



Health = 0 Fire = 1 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0Fire = 1

REACTIVITY Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

## 3 Composition/Information on Ingredients

- · Chemical characterization: Substance
- · **Description:** Mixture of substances listed below with non-hazardous additions.

· Dangerous	Dangerous Components:		
	Highly refined mineral oils	Aquatic Acute 3, H402	≥85%
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	Eye Irritation 2B, H320	≤2.5%

(Contd. on page 2)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

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#### Trade Name: Drislide Robotic Grease LG-01-02 LZ

#### · Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

### 4 First-Aid Measures

- · Description of first aid measures
- · General information: If symptoms persist, call a physician.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Generally, the product does not irritate the skin.

If skin irritation occurs, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water.

If eye irritation occurs, consult a doctor.

- · 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.

- For safety reasons unsuitable extinguishing agents: No further relevant information.
- Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

- Advice for firefighters
- · Special protective equipment for firefighters:

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.
- · Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

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.

· PAC-1:		
78-83-1	Butanol	150 ppm
123-51-3	Isoamyl alcohol	125 ppm

(Contd. on page 3)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/03/2023 Reviewed on 05/03/2023

Trade Name: Drislide Robotic Grease LG-01-02 LZ

· PAC-2:		
78-83-1	Butanol	1,300 ppm
123-51-3	Isoamyl alcohol	1700* ppm
PAC-3:		
78-83-1	Butanol	8000* ppm
123-51-3	Isoamyl alcohol	10000** ppm

#### 7 Handling and Storage

- · Handling
- · Precautions for safe handling: No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · 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:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituents have no known exposure limits.

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

TWA Short-term value: 5

- · 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.

Wash hands before breaks and at the end of work.

- · Breathing equipment: Not required.
- · Protection of hands: Not required.
- · Material of gloves: Not applicable.
- · Penetration time of glove material: Not applicable.
- · Eye protection:



Goggles recommended during refilling.

· Limitation and supervision of exposure into the environment:

Keep away from drains, surface and ground waters.

Avoid release into the environment.



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Issue date 05/03/2023 Reviewed on 05/03/2023

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Semi-solid Green

Odor: Petroleum-like
 Odor threshold: Not determined.
 pH-value: Not applicable.

· Change in condition

Melting point/Melting range:<br/>Boiling point/Boiling range:Not determined.<br/>Not determined.• Flash point:93 °C (199.4 °F)• Flammability (solid, gaseous):Not applicable.• Auto igniting:Not applicable

· Ignition temperature: Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

Not determined.

· Explosion limits:

**Lower:** Not determined. **Upper:** Not determined.

· Vapor pressure @ 20 °C (68 °F): <0.5 hPa (<0.4 mm Hg)

Density: Not determined.
Relative density: Not determined.
Vapor density: Not determined.
Evaporation rate: Not determined.

· Solubility in / Miscibility with:

· Decomposition temperature:

Water: Fully miscible.Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

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

· Solvent content:

Organic solvents: 0.3 % VOC content: 0.30 %

3.0 g/l / 0.03 lb/gal

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.



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Issue date 05/03/2023 Reviewed on 05/03/2023

#### Trade Name: Drislide Robotic Grease LG-01-02 LZ

- · 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	>2,000 mg/kg (Rat)	
Dermal	LD50	>2,000 mg/kg (Rat)	
		>4,480 mg/kg (Rabbit)	

- · Primary irritant effect:
- · On the skin: No irritating effect.
- On the eye: No irritating effect.
- · Additional toxicological information:
- · 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.
- Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information:
- General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Harmful to aquatic organisms

- Results of PBT and vPvB assessment:
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

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Trade Name: Drislide Robotic Grease LG-01-02 LZ

### Disposal Considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household waste. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

- Uncleaned packaging
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

### 4 Transport Information

· UN-Number:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· Environmental hazards: Not applicable. Not applicable. · Special precautions for user:

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

· UN "Model Regulation": Non-Regulated Material

### 5 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture: No further relevant information available.

Section 355 (extremely hazardous substances):  None of the ingredients are listed.			
None of the ingredients are listed.  • TSCA (Toxic Substances Control Act):			
		64742-58-1 Lubricating oils, petroleum, hydrotreated spen	t ACTIVE
9003-27-4 Polyisobutylene	ACTIVI		
9003-28-5 Polybutylene	ACTIVI		
78-83-1 Butanol	ACTIVI		
123-51-3 Isoamyl alcohol	ACTIVI		
	ACTIVI		
137-32-6 2-methylbutanol	ACTIVI		

None of the ingredients are listed.

(Contd. on page 7)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

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· California Proposition 65:

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

New Jersey Right-to-Know List:

78-83-1 Butanol

123-51-3 Isoamyl alcohol

New Jersey Special Hazardous Substance List:

78-83-1 Butanol

F3

· Pennsylvania Right-to-Know List:

78-83-1 Butanol

123-51-3 Isoamyl alcohol

137-32-6 2-methylbutanol

· Pennsylvania Special Hazardous Substance List:

78-83-1 Butanol

E

- · Carcinogenic categories:
- · EPA (Environmental Protection Agency):

None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements:

H402 Harmful to aquatic life.

· Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### <u>16 Ot</u>her 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.



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#### · Contact:

### · 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

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)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Eye Irritation 2B: Serious eye damage/eye irritation - Category 2B

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard - Category 3

#### \* Data compared to the previous version altered.

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