



your partner in food safety

Issue Date: 21-Nov-2017

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Version 1

## 1. IDENTIFICATION

### Product identifier

Product Name Hydrolube

### Other means of identification

SDS # BIR-010

Product Code I00251

### Recommended use of the chemical and restrictions on use

Recommended Use Premier hook, trolley and chain lubricant. Complies with FDA and USDA guidelines for incidental food contact.

### Details of the supplier of the safety data sheet

#### Supplier Address

Birko Corporation  
9152 Yosemite Street  
Henderson, CO 80640-8027  
www.birkocorp.com

### Emergency telephone number

Company Phone Number Phone: 303-289-1090 or 1-800-525-0476  
Fax: 303-289-1190

Emergency Telephone Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Appearance** Nearly colorless liquid

**Physical state** Liquid

**Odor** Oily

### Classification

|                     |            |
|---------------------|------------|
| Aspiration toxicity | Category 1 |
|---------------------|------------|

### Signal Word

Danger

### Hazard statements

May be fatal if swallowed and enters airways



### Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical name | CAS No    | Weight-% |
|---------------|-----------|----------|
| Mineral Oil   | 8042-47-5 | 80-90    |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****Description of first aid measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.<br>Consult a physician. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least 15 minutes.  |
| <b>Inhalation</b>   | Remove to fresh air.  |
| <b>Ingestion</b>    | Immediately call a poison center or doctor/physician. Do NOT induce vomiting.   |

**Most important symptoms and effects, both acute and delayed**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May be harmful or fatal if swallowed and enters airways. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

|                             |  |
|-----------------------------|--|
| <b>Personal Precautions</b> | Use personal protective equipment as required. |
|-----------------------------|--|

**Environmental precautions****Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|  |                         |                                      |                        |  |
|--|-------------------------|--------------------------------------|------------------------|--|
| <b>Physical state</b>                  | Liquid                  | <b>Odor</b><br><b>Odor Threshold</b> | Oily<br>Not determined |  |
| <b>Appearance</b>                      | Nearly colorless liquid |                                      |                        |  |
| <b>Color</b>                           | Colorless               |                                      |                        |  |
| <b>Property</b>                        | <b>Values</b>           | <b>Remarks • Method</b>              |                        |  |
| pH                                     | Not applicable          |                                      |                        |  |
| Melting point / freezing point         | Not determined          |                                      |                        |  |
| Boiling point / boiling range          | Not determined          |                                      |                        |  |
| Flash point                            | Not determined          |                                      |                        |  |
| Evaporation Rate                       | Not determined          |                                      |                        |  |
| Flammability (Solid, Gas)              | Liquid-Not applicable   |                                      |                        |  |
| Flammability Limit in Air              |                         |                                      |                        |  |
| Upper flammability or explosive limits | Not determined          |                                      |                        |  |
| Lower flammability or explosive        | Not determined          |                                      |                        |  |

|                                     |                |
|-------------------------------------|----------------|
| <b>limits</b>                       |                |
| <b>Vapor Pressure</b>               | Not determined |
| <b>Vapor Density</b>                | Not determined |
| <b>Relative Density</b>             | Not determined |
| <b>Water Solubility</b>             | Not determined |
| <b>Solubility in other solvents</b> | Not determined |
| <b>Partition Coefficient</b>        | Not determined |
| <b>Autoignition temperature</b>     | Not determined |
| <b>Decomposition temperature</b>    | Not determined |
| <b>Kinematic viscosity</b>          | Not determined |
| <b>Dynamic Viscosity</b>            | Not determined |
| <b>Explosive Properties</b>         | Not determined |
| <b>Oxidizing Properties</b>         | Not determined |

**Other information**

|                       |      |
|-----------------------|------|
| <b>Liquid Density</b> | 0.86 |
|-----------------------|------|

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

**Component Information**

| Chemical name            | Oral LD50            | Dermal LD50 | Inhalation LC50 |
|--------------------------|----------------------|-------------|-----------------|
| Mineral Oil<br>8042-47-5 | > 5000 mg/kg ( Rat ) | -           | -               |
| Oleic Acid<br>112-80-1   | = 25 g/kg ( Rat )    | -           | -               |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

Oral LD50 5,807.00 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

| Chemical name            | Algae/aquatic plants | Fish  | Crustacea |
|--------------------------|----------------------|---|-----------|
| Mineral Oil<br>8042-47-5 |                      | 10000: 96 h Lepomis macrochirus<br>mg/L LC50      |           |
| Oleic Acid<br>112-80-1   |                      | 205: 96 h Pimephales promelas<br>mg/L LC50 static |           |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Mineral Oil<br>8042-47-5 | >6                    |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## **15. REGULATORY INFORMATION**

### **International Inventories**

| Chemical name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|----------|----------------|------|-------|------|-------|------|
| Mineral Oil   | X    | X        | X              | X    | X     | X    | X     | X    |
| Oleic Acid    | X    | X        | X              | X    | X     | X    | X     | X    |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### **US Federal Regulations**

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

| Chemical name          | New Jersey | Massachusetts | Pennsylvania |
|------------------------|------------|---------------|--------------|
| Oleic Acid<br>112-80-1 |            |               | X            |

**16. OTHER INFORMATION**

| <u>NFPA</u> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
|             | 0                     | 1                   | 0                       | -                          |
| <u>HMIS</u> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical hazards</b> | <b>Personal Protection</b> |
|             | 0                     | 1                   | 0                       | B                          |

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**Revision Note:** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**