1. Product and Company Identification

Product Name
Lubricit 2-EHS-S

Product CAS Number (if applicable)
Mixture

Product Type, Usage, or Industry
Lubricant, formulation additive

Company Information
Zschimmer and Schwarz, Inc.
70 GA Hwy. 22 W
Milledgeville, GA 31061

Emergency Contact
Company: (478) 454-1942
CHEMTREC: (800) 424-9300

2. Hazardous Composition and Information

This section contains hazardous components which comprise 1.0% or more of the formula; carcinogens are listed at 0.1% or greater.

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Material or component</th>
<th>Avg % weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>22047-49-0</td>
<td>Octadecanoic acid, 2-ethylhexyl ester</td>
<td>40 - 60%</td>
</tr>
<tr>
<td>29806-73-3</td>
<td>Hexadecanoic acid, 2-ethylhexyl ester</td>
<td>40 - 60%</td>
</tr>
</tbody>
</table>

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

3. Hazards identification

HMIS Rating:
Health: 1      Fire: 1      Reactivity: 0      PPE: X

Primary routes of exposure:

**Eyes:** May cause irritation, experienced as excessive watering and reddening.
**Skin:** Prolonged contact may cause mild irritation.
**Inhalation:** May cause dizziness.
**Ingestion:** May cause discomfort or gastrointestinal distress, nausea, and diarrhea.
4. First Aid Measures

**Eyes:**
Flush with water for 15 min. If irritation develops, contact a physician.

**Skin:**
Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.

**Inhalation:**
Move the person to fresh air. If breathing becomes difficult, get medical attention.

**Ingestion:**
Do not induce vomiting. Immediately rinse mouth with water, and contact a physician.

5. Firefighting Measures

**Flash point:** > 212°F (100°C)

**Flammability limits:**
- LEL: N/D
-UEL: N/D

**Suitable extinguishing media:**
alcohol-resistant foam; dry powder; CO₂

**Special protective equipment for firefighters:**
Self-contained breathing apparatus and protective clothing when fighting any chemical fire

**Unusual fire & explosion Hazards:**
Water may cause frothing.

6. Accidental Release Measures

**Personal precautions:**
Avoid contact with eyes and skin. Avoid breathing vapors. Floors will be slippery.

**Environmental precautions**
Limit leakage with earth or sand. Do not discharge into the drains/surface water/ground water. Dispose of absorbed material in accordance with local, state and federal regulations.

**Methods for cleaning up/taking up**
Take up with absorbent material. (e.g. vermiculite, general purpose binder.) Dispose of absorbed material in accordance with local, state, and federal regulations. After cleaning, trace amounts may be washed away with soap and water.

7. Handling and Storage

**Advice on safe handling**
Avoid getting on skin or in eyes when handling product. Do not store together with strong oxidizers. Otherwise, no special measures necessary.
Advice on protection against fire and explosion
Avoid exposure to ignition sources and high temperatures.

Requirements for storage rooms and vessels
Store in cool dry places.

8. Exposure Controls and Personal Protective Equipment

Component with OSHA exposure limits to be monitored

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Description of substance</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General protective measures / hygiene measures:
Observe the usual precautions when handling chemicals.

Hand protection: Use impervious gloves
Eye protection: Safety glasses with side shields
Respiratory protection: None needed under normal conditions.
Skin protection: Protective clothing
Ventilation: Recommended
Local Exhaust: Recommended.
Other Protective Equipment: Eye-wash station

9. Physical and Chemical Characteristics

Form and Appearance: Clear, pale yellow to yellow liquid
Odor: Characteristic
Boiling point: N/D
Freezing point: N/D
pH: N/A
Specific gravity/Bulk Density: ~ 0.86
Flash point: > 212°F (100°C)
Viscosity: N/D
Solubility in water: Insoluble
Vapor pressure: N/D
10. Stability and Reactivity

Chemical stability: Product is stable under ordinary conditions of use and storage.
Conditions to avoid: Excessive heat. High energy sources of ignitions.
Incompatibility: To strong oxidizers.
Hazardous decomposition products: Extremely high temperatures may produce CO₂.
Hazardous polymerization: Will not occur.

11. Toxicological Information

Acute Toxicity:
Eyes: The product is mildly irritating to eyes.
Ingestion: Minimally toxic.
Skin: LD50 (rabbit): > 2,000 mg/kg Minimally toxic.
Inhalation: Minimally toxic.

Chronic Health Effects: None.

12. Ecological Information

Ecotoxicity: This product has not been tested.
Environmental fate: This product has not been tested.

13. Disposal Considerations

Dispose of absorbed material in accordance with local, state, and federal regulations.

14. Transport Regulations

DOT Regulations:

Proper Shipping Name: Not regulated.
Hazard Class: Not regulated.
UN Number: Not regulated.
Packing Group: Not regulated.
Label Required: Not regulated.
15. Regulatory Information

Contents of this MSDS comply with the OSHA standard 29 CFR 1910.1200.
TSCA Status: All the components in this material are listed under TSCA inventory.

EPA SARA Title 302: None
EPA Section 304 CERCLA Hazardous substance: None
EPA Section 311/312 Hazard Categorization:

<table>
<thead>
<tr>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
<th>None</th>
</tr>
</thead>
</table>

EPA Section 313 Toxic chemicals: None
State hazardous information: None

16. Additional Information

This information is based on our present state of knowledge. It should not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Existing acts and regulations must be observed by the recipient of our products under their own responsibility.