Assembly Lube (Anti-Seize)

SAFETY DATA SHEET
ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
- GHS Product Identifier: Not applicable.
- Chemical Name: Not applicable.
- Trade name: Assembly Lube (Anti-Seize)
- CAS No.: Mixture
- EINECS No.: Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against
- Identified use(s): Lubricant
- Uses advised against: None.

1.3 Details of the supplier of the safety data sheet
  50 Wireless Blvd.
  Hauppauge, NY 11788
  USA
- Telephone: +1 (631) 666-7300
- Fax: +1 (631) 666-7391
- E-Mail (competent person): SDSinfo@finishlineusa.com
- Distributor: Madison Cycles
  8 Stanmore Hill
  Stanmore, Middlesex, HA7 3BQ
  United Kingdom
- Telephone: +44 870 034 7226

1.4 Emergency telephone number
- Emergency Phone No.: PROSAR 24 hr: 1-800-217-5157 / 1-651-523-0304 & CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
- Regulation (EC) No. 1272/2008 (CLP): Aquatic Acute 1; Aquatic Chronic 2

2.2 Label elements
- Hazard Symbol

2.3 Other hazards
- None

Signal word(s): Warning
- Hazard statement(s): H400: Very toxic to aquatic life.
  H411: Toxic to aquatic life with long lasting effects.
- Precautionary statement(s): P273: Avoid release to the environment.
  P302+P352: IF ON SKIN: Wash with plenty of soap and water.
  P102: Keep out of reach of children.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%W/W</th>
<th>EC No. and CAS#</th>
<th>According to Regulation (EC) No. 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Powder</td>
<td>20-40</td>
<td>231-159-6</td>
<td>Aquatic Acute 1; H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7440-50-8</td>
<td>Aquatic Chronic 3; H412</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>5-15</td>
<td>215-222-5</td>
<td>Aquatic Acute 1; H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1314-13-2</td>
<td>Aquatic Chronic 1; H410</td>
</tr>
</tbody>
</table>

For full text of H/P phrases see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact: Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact: Rins e 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 symptoms occur obtain medical attention.

Ingestion: Do not induce vomiting wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed
None known.

4.3 Indication of the immediate medical attention and special treatment needed
None

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media
- Suitable Extinguishing Media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.
- Unsuitable Extinguishing Media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture
None known.

5.3 Advice for fire-fighters
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective gloves/eye protection.
6.2 Environmental precautions
Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up
Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

6.4 Reference to other sections
None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities
- Storage Temperature: Store at room temperature.
- Incompatible materials: Strong oxidising agents.

7.3 Specific end use(s)
Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTC (8 hr TWA ppm)</th>
<th>LTC (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper dusts and mists</td>
<td>7440-50-8</td>
<td>-----</td>
<td>1</td>
<td>-----</td>
<td>2</td>
<td>UK - EH40</td>
</tr>
<tr>
<td>Zinc Oxide, fume or respirable dust</td>
<td>1314-13-2</td>
<td>-----</td>
<td>5</td>
<td>-----</td>
<td>10</td>
<td>UK - EH40</td>
</tr>
</tbody>
</table>

8.1.2 Recommended monitoring method
NIOSH 7300 (Elements)

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Not normally required.

8.2.2 Personal protection equipment

Eye/face protection
Wear chemical resistant protective eye glasses.

Skin protection (Hand protection/ Other)
Wear protective gloves. (Nitrile rubber)

Respiratory protection
Normally no personal respiratory protection is necessary.

Thermal hazards
Not normally required.

8.2.3 Environmental Exposure Controls
None assigned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
**Assembly Lube (Anti-Seize)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Copper</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight petroleum</td>
</tr>
<tr>
<td>Odour Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point (°C) / Freezing Point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point/boiling range (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit ranges</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure (Pascal)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity (cSt @40°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising.</td>
</tr>
</tbody>
</table>

**SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical stability: Stable.

10.3 Possibility of hazardous reactions: None anticipated.

10.4 Conditions to avoid: None known.

10.5 Incompatible materials: Strong oxidising agents.

10.6 Hazardous Decomposition Product(s): None known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

11.1.1 Substances: Not applicable

11.1.2 Mixtures - By analogy with similar materials:

- Acute toxicity: Not to be expected.
- Skin corrosion/irritation: Not to be expected.
- Serious eye damage/irritation: Not to be expected.
- Respiratory or skin sensitization: Not to be expected.
- Germ cell mutagenicity: Not to be expected.
- Carcinogenicity: Not to be expected.
- Reproductive toxicity: Not to be expected.
- STOT - single exposure: Not to be expected.
- STOT - repeated exposure: Not to be expected.
- Aspiration hazard: Not available

11.1.3 Substances in preparations / mixtures: Not to be expected.

11.2 Other information: None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**Substances in preparations / mixtures**

Zinc oxide (CAS # 1314-13-2)

12.1 Toxicity

- Short term: LC50 (96 hour): 1.793 mg/L (Danio rerio)
  EC50 (48 hour): 2.6-9 mg/l (Daphnia magna, mobility)

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IC50 (96 hour): 0.136 mg/l (Pseudokirchnerella subcapitata)

Long Term (By analogy with similar materials) NOEC (30 days) 0.0 75 mg/l (Jordanella floridai)
NOEC (21 days): 0.156 mg/l (Daphnia magna)
NOEL (96 hour) 0.06 mg/l (Algae)

12.2 Persistence and degradability
This substance is predicted not to degrade in soil and water.

12.3 Bioaccumulative potential
The product has low potential for bioaccumulation.

12.4 Mobility in soil
The substance has low mobility in soil.

12.5 Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

12.6 Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Land transport (ADR/RID)</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>3082</td>
<td>3082</td>
</tr>
<tr>
<td>14.2 Proper Shipping Name</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper, Zinc Oxide)</td>
<td></td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td></td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.1.1 EU regulations
- Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use Listed: No.

15.1.2 National regulations
Not established.

15.2 Chemical Safety Assessment
Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Hazard statement(s) and Precautionary statement(s):
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

GHS Classification
- Aquatic Acute 1; Acute Aquatic toxicity, category 1
- Aquatic Chronic 2; Chronic aquatic toxicity, category 2

Training advice: None.
Additional Information: None.
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