SAFETY DATA SHEET

PRODUCT NAME: Magswitch MagJig150

PRODUCT PART NUMBER: 8110005

Supplier
Magswitch Technology, Inc
1355 Horizon Avenue
Lafayette CO 80026 USA
Phone: +1 (303) 468-0662

Emergency Telephone: +1 (303) 468-0662.

Lubricant used in Magnetic Components

Either one of the following two lubricants are used in the internal mechanism of some Magswitch Products.

- ReoLube (see p. 8)
  - Manufacturer: Nye Lubricants, Inc
    12 Howland Road, Fairhaven MA 02719 USA Tel: +1 508-996-6721
- CYP-B144- EP lithium base grease (see p.9)
  - Manufacturer:
    Wuxi Chaorunjie Lubrication Science and Technology Co.LTD

The lubricant is not exposed to the outside of the Magswitch product and therefore does not pose a risk to the user. The MSDS Sheets for each of these lubricants appear on the following pages.
2

Date: 20100528

None (during normal operation). Avoid exposure to heat, open flame, and corrosives.

HAZARDOUS DECOMPOSITION PRODUCTS
None (during normal operating conditions). If cells are opened, hydrogen fluoride and carbon monoxide may be released.

CONDITIONS TO AVOID
Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

11. TOXICOLOGICAL INFORMATION

This product does not elicit toxicological properties during routine handling and use.

<table>
<thead>
<tr>
<th>Sensitization</th>
<th>Teratogenicity</th>
<th>Reproductive toxicity</th>
<th>Acute toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

This product does not contain any kinds of the following substances and halogen-type flame retardants including Chlorine and Bromide type harmful flame retardants which are listed in Appendix of TCO documents and relevant international ECO requirements:

- Polybromated Biphenyls (PBB)
- Polybromated Biphenyl Ethers (PBBE)
- Polybromated Biphenyl Oxides (PBBQ)
- Polybromated Diphenylyethers (PBDE)
- Polychlorinated Biphenyls (PCB)
- Polychlorinated Diphenylyethers (PCDE)
- Tetrabromophenol A (TBBPA)
- Asbestos, Antimony trioxide, Dioxine

None of the following substances will be exposed, leaked, or emitted during transportation, storage or any operation and any temperature condition:

- Chlorinated Fluoro-hydrocarbon (FCKW)
- Acrylonitrile
- Styrol
- Phenol
- Benzol
- Mercury of greater than 0.0001 wt% for alkaline battery
- Mercury of greater than 0.0005 wt% for other battery
- Lithium content of greater than 0.5g/cell, 1.5g/battery
- Cadmium, lead, and other harmful heavy metal

This product does not contain mercury, cadmium and lithium-metal.

Mercury content: N/A
Lithium-metal: N/A
Cadmium content: N/A

This Sheet is provided as technical information only. The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. SAMSUNG SDI Corp. makes no warranty, expressed or implied, with respect to this information and disclaims all liabilities from reliance on it.
Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification
Product/Chemical Name: Rheolube 738
General Use: Lubricating Grease
Manufacturer: Nye Lubricants, Inc.
12 Howland Road
Fairhaven, MA 02719 U.S.A.
Telephone: (508) 996-6721 (8:00AM - 5:00PM ET weekdays)
Nights and weekends (Medical Emergencies ONLY): CHEMTREC (800) 424-9300

Section 2 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>wt %</th>
<th>vol %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentaserythrol</td>
<td>115-77-5</td>
<td>0.7</td>
<td>6.0</td>
</tr>
<tr>
<td>Pentaserythrol</td>
<td>9002-84-0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product formulation is Proprietary
No other ingredients are known to be hazardous under normal usage.
*Not a hazardous material under normal usage, but PTFE can produce toxic fumes if pyrolyzed.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA PEL TWA</th>
<th>STEL</th>
<th>ACGIH TLV TWA</th>
<th>STEL</th>
<th>NIOSH REL TWA</th>
<th>STEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentaserythrol</td>
<td>15 mg/m³</td>
<td>NE</td>
<td>10 mg/m³</td>
<td>NE</td>
<td>10 mg/m³</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Total Dust</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resp. Dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil Mist</td>
<td>5 mg/m³</td>
<td>NE</td>
<td>5 mg/m³</td>
<td>NE</td>
<td>10 mg/m³</td>
<td>2500 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

NE= None Established

Section 3 - Hazards Identification

***** Emergency Overview *****
Summary of risks: May irritate eyes. Prolonged or repeated skin contact may cause irritation. Inhalation of oil mist or vapors from material at high temperatures may irritate respiratory passages. Polytetrafluoroethylene (PTFE), when thermally decomposed (over 290°C), may cause polymer flame fever. Thermal decomposition of PTFE (over 290°C) will generate hydrogen fluoride.

Potential Health Effects

Eye Contact: May cause irritation.
Skin Contact: Repeated or prolonged skin contact may cause irritation. Thermal decomposition of PTFE (over 290°C) will generate hydrogen fluoride, which is corrosive, causing burns on contact with skin and other tissue.
Inhalation: Oil mist and vapors at high temperatures may irritate respiratory passages. Inhalation of decomposition products of PTFE (over 290°C) may cause polymer flame fever, a temporary flu-like illness accompanied by fever, chills, and sometimes cough, of approximately 24 hours duration. Repeated episodes of polymer flame fever may cause lung damage. Inhalation of fluorine compounds as decomposition products of PTFE (over 290°C) may cause lung irritation and pulmonary edema.
Ingestion: May cause gastrointestinal irritation.
Primary Route(s) of Entry: Inhalation at high temperatures, eye contact, skin contact.
Target Organ: Respiratory passages at high temperatures, eyes, skin.
Medical Conditions: Aggravated by Long Term Exposure: Individuals with pre-existing diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures from thermal decomposition products.
Carcinogenicity: IARC, NTP, and OSHA do not list Rheolube 738 or its ingredients as carcinogens.
# Material Safety Data Sheet (MSDS)

<table>
<thead>
<tr>
<th>Name</th>
<th>CYP-B144- EP lithium base grease</th>
<th>chemical composition</th>
<th>Soap-type refined lubrication oil of viscosifying Lithium Carbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition (mass percent)</td>
<td>mineral oil A 40%, mineral oil B 60%, lithium soap 8%, EP anti-scuff agent 2%, Antioxidant antigum inhibitor 1%, antirust paint 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Brown Viscous ointment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health hazard</td>
<td>Route of entry: ingestion, Long-term contact with skin will cause dermatitis or eczema. Promptly wipe and clean with mild detergent to ensure safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency treatment</td>
<td>dermal contact: Promptly wipe and clean with mild detergent Eyes contact: raise eyelid, rinse them with plenty of water at least 15mins, and go for medical treatment Ingestion: Drink enough hot water or milk. Emetic (method): medical treatment ASAP Massive inhalation: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability, explosibility &amp; fire-fighting</td>
<td>Combustibility: combustible Ignition point: 240℃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency handling in case of leakage</td>
<td>Plenty of leaks: build fence or trench for collection; clean contaminated areas with a solvent, and discharge the rest of the waste into sewage tank</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td>Stored in cool and dry warehouse; avoid exposure to direct sunshine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preventive measure</td>
<td>Eyes protection: avoid splashing Hand protection: long-term exposure, wear glove cover Body protection: wear labor suit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physicochemical property</td>
<td>Dropping point: 180℃, density 0.89g/cm³ (25℃) PH value: 7-8 Solubility: Insoluble in water, soluble in gasoline, benzene, petroleum ether and other organic solvents; Resolubility: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stability and reactivity</td>
<td>Stability: stable Risk of polymerization: No Condition to avoid contacting: None Prohibited materials: avoid contact with strong acids, exposure to alkali and dust pollution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental data</td>
<td>Meet standards of Class A discharge of industrial wastewater</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste discarding</td>
<td>Implementation in accordance with China and local relevant regulations and laws</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>