SAFETY DATA SHEET

SECTION 1: Identification

AOS Heat Sink Compound
AOS Product Code: 52022

Manufacturer:
AOS Thermal Compounds
22 Meridian Road, Suite 6
Eatontown, New Jersey 07724
(732) 389-5514

Emergency Telephone Numbers:
Health: (732) 389-5514 9-5 EST M-F

SECTION 2: Hazard Identification

GHS Label Elements

Signal Word: WARNING

Hazard Statement(s):
Skin Irritant (Category 2) H315
Eye Irritant (Category 2A) H319

SECTION 3: Composition/information on ingredients

CAS Registry #

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Registry #</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td></td>
</tr>
<tr>
<td>00840600</td>
<td># 5000P</td>
<td>(Trade Secret)</td>
</tr>
<tr>
<td>00840600</td>
<td># 5001P</td>
<td>(Trade Secret)</td>
</tr>
<tr>
<td>00840600</td>
<td># 5002P</td>
<td>(Trade Secret)</td>
</tr>
</tbody>
</table>

• Based on the data available to AOS, this product is not considered a hazard under OSHA Hazard Communication Standard 29 CFR1910.1200.
• The Zinc Oxide in this product is in paste form and will not pose a dust hazard.
SECTION 4: First Aid Measures

- Route of Exposure
- Inhalation: N/A
- Skin: Wash with soap and water
- Eye Contact: Flush eyes with water
- Ingestion: Consult a physician; do not induce vomiting

SECTION 5: Fire Fighting Measures

- Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical
- Fire Fighting Instructions: Wear self-contained breathing apparatus for enclosed or confined areas
- Unusual Fire & Explosion Hazards: None known

SECTION 6: Accidental Release Measures

- Personal precautions – Do not ingest, protective equipment – wear gloves
- Collect product and repackage in a container.
- Dispose product in landfill as environmental precaution
- For containment and clean up use common solvents such as mineral spirits or acetone followed by soap and water

SECTION 7: Handling and Storage

- Storage temperature: Ambient
- Storage pressure: Atmospheric
- General: Keep container closed
- Avoid direct flames

SECTION 8: Exposure Controls, Personal Protection

- Control Parameters (Biological): N/A
- Appropriate Engineering controls: Gloves
- Respiratory Protection: Not necessary
- Ventilation: Under normal conditions, no special ventilation is needed
- Skin Protection: Gloves are not necessary
- Eye Protection: Safety glasses are not necessary
- Work/Hygienic Practices: Safety glasses & gloves are recommended
SECTION 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White Paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>&gt;400°F/ &gt;204°C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>565°F/296°C (COC)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;0.01 (butyl acetate=1)</td>
</tr>
<tr>
<td>Flammability Limits</td>
<td>LFL: Not determined</td>
</tr>
<tr>
<td></td>
<td>UFL: Not determined</td>
</tr>
<tr>
<td>Upper/lower Flammability Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.2 (H2O=1)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;0.1 mm Hg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Relative Density</td>
<td>2.2 g/cc</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient/ n-octanol/water</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>225 °C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>870,000, 70,000 cP</td>
</tr>
<tr>
<td>@ 1, 10 sec⁻¹ shear</td>
<td>@ 25 °C</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and Reactivity

- Reactivity: Product is stable; hazardous polymerization will not occur.
- Chemical Stability: Inert
- Possibility of Hazardous Reactions: None known
- Materials & Conditions to Avoid: Strong oxidizing agents
- Incompatible Materials: N/A
- Hazardous Decomposition Products: None known

SECTION 11: Toxicological Information

- Route of Exposure
  - Inhalation: N/A
  - Ingestion: Consult a physician
  - Skin: Wash with soap and water
  - Eye Contact: Flush eyes with water

Symptoms related to physical, chemical and toxicological characteristics: None known
Delayed and immediate effects and also chronic effects from short and long term exposure: None known
Measures of toxicity: N/A

SECTION 12: Ecological Information

- Ecotoxicity: N/A
- Persistence and degradability: N/A
- Bioaccumulative potential: N/A
- Mobility in soil: N/A
SECTION 13: Disposal Information

- Incinerate or dispose of materials in accordance with local, state & federal regulations.

SECTION 14: Transport Information

- UN Number: N/A
- UN Proper Shipping Name: Non-Hazardous Heat Sink Compound
- Transport Hazard Class: Non-Hazardous
- Environmental Hazards (Marine Pollutant): No
- Transport in Bulk: Yes
- Special Transport Precautions: N/A
- Not a hazardous material for DOT, TDG classification, ADR/RID, IMDG, and IATA-DGR shipping.

SECTION 15: Regulatory Information

- All ingredients are on the Toxic Substances Control Act (TSCA) Inventory list or are not required to be listed. If you export this product, please ensure that the ingredients meet the inventory listing requirement of the receiving company.

SECTION 16: Other Information

- The information herein is presented in good faith and believed to be accurate as of the revision date shown above. However, no warranty, expressed or implied, is given. It is the buyer’s responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

- This SDS has been updated to conform to standards set forth by the Chemical Manufacturers Association as released through the American National Standard Institute. (See ANSI Z400.1-1993)