Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY (As Used on Label and List)
HEATGREASE20 List of
Thermal Interface Material

Section I Product Identification
name: Heatsink Compound
Matrix: Silicone with carbon & Metal Oxide

Section II Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone Compounds</td>
<td>50%</td>
</tr>
<tr>
<td>Carbon Compounds</td>
<td>20%</td>
</tr>
<tr>
<td>Metal Oxide Compounds</td>
<td>30%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

No hazardous components present. Not applicable.

Section III - Hazard Identification

None
No hazardous Components Present - Not applicable

Section IV - First Aid Measures

Inhalation: If adverse effects occur, proceed to an uncontaminated area. If breathing has been arrested, provide artificial respiration immediately. Obtain immediate medical attention.
Skin: Wash thoroughly with soap and water for minimum of 15 minutes. Contaminated clothing should be removed immediately. If irritation persists, obtain medical attention.
Eye Contact: Wash thoroughly with water for minimum of 15 minutes. If irritation persists, obtain medical attention.
Ingestion: Drink 2 large glasses of water. Do not induce vomiting. If a large amount has been ingested, or if discomfort persists, obtain medical attention.

Section V - Fire Fighting Measures

Fire and Explosion Hazard Data for Matrix
Fire Hazard: non-combustible
Flash Point: None
Auto-Ignition Temperature: N/A
Extinguishing Media: standard dry chemical, Carbon dioxide. Water and foam should be used, per usual techniques.

Section VI - Accidental Release Measures

Do not touch spilled material. Stop leak, if possible, without personal risk. For small spills, absorb with sand or other non-combustible materia. Collect spilled material in an appropriate container for disposal.
according to all applicable local, state and federal regulations. For large spills, dam or dike spill area, isolate hazard area and remove all individuals. Pump or soak up material for disposal according to all applicable local, state and federal regulations. Flush any residue to a sanitary sewer, approved for chemical waste disposal.

**Section VII - Handling and Storage**

Store below 70°C or 200°F, store in a tightly sealed container, do not store under pressure. Store in an inert atmosphere. Store away from materials designated incompatible. Keep out of reach of children & animals. No other precautions for handling.

**Section VII - Exposure Controls / Personal Protection**

See Section 2. Wear chemical goggles, gloves, other protective clothing or equipment. None required beyond standard equipment. In an occupational environment, provide safety and hygiene equipment consistent with all applicable local, state & Federal regulations.

**Section IX - Physical and Chemical Properties**

Physical data for matrix:
- Melting Point: 200°F
- Boiling Point: > 300°F
- Vapor Pressure: N/A
- Vapor Density (AIR = 1.0)
- Water Solubility: Insoluble

Appearance and odor: Material is viscous, gray grease. No particular odor is associated with material.

**Section X - Stability and Reactivity**

Reactivity data for matrix:
- Stability: Unstable
- Incompatibility: Avoid strong acids, strong bases, halogens.
- Hazardous Decomposition Products: Combination with alkalis may produce combustible hydrogen gas.
- Hazardous Polymerization: Will not occur.

**Section XI - Toxicological Information**

See Section 2 for specific toxicological information for the ingredients of this product.

**Section XII - Ecological Information**

No information is available.

**Section XIII - Disposal Considerations**

Dispose according to all applicable local, state and federal regulations.

**Section XIV - Transport Information**

- Shipment Type: Transport according to International Standard
- UN Number: 
- Shipping Class: 
- Packing Group: 

**Section XV - Regulatory Information**

No information is available.
Section XVI - Other Information

The above information is believed to be correct, but does not not be all-inclusive. This data should be used only as a guide in handing this material.

Member of the SGS Group

(Société Générale de Surveillance)
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