# KANO LABORATORIES LLC

## TECHNICAL DATA SHEET
SUPER LUBE® HEAT SINK THERMALLY CONDUCTIVE COMPOUND March 2025

### PRODUCT DESCRIPTION:



Super Lube® Heat Sink Thermally Conductive Compound is blended with thermally conductive, fine metal oxide powders.

Super Lube® Heat Sink Thermally Conductive Compound will not harden, dry out or melt.

Super Lube® Heat Sink Thermally Conductive Compound aids in the efficient transfer of heat away from electronics and electrical components, including CPUs or other heat generating elements and mechanical heat sinks.

Super Lube® Heat Sink Thermally Conductive Compound has superior anti-seize qualities to prevent galling, seizing, and corrosion, as well as lubricating to ease disassembly.

### FEATURES:

- High dielectric constant
- High dissipation factor
- Extends life of heat sensitive electrical parts
- Adheres to metal surfaces
- Wide temperature range
- Excellent heat transfer efficiency
- Low Bleed
- Viscosity stable
- Superior heat conductive quality
- Thermally stable
- Will not react to rubber or plastic

### TYPICAL APPLICATIONS:

- Facilitate the transfer of heat from an electrical device to the heat sink or chassis
- Semiconductors
- Thermocouple wells
- Power Diodes
- Automotive electrical applications (i.e. alternator, regulators and rectifiers)
- Transistors
- Anti-seize lubricant to ease disassembly
- To fill surface imperfections on CPU to prevent air pockets and enhance heat transfer

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### PACKAGE SIZES:

| Part No. | Description |
|---|---|
| **98003** | 3 oz. Tube |
| **98050** | 5 lb. Pail |
| **98030** | 30 lb. Pail |

### PROPERTIES:

| Test | Rating |
|---|---|
| **Color:** | White paste |
| **Temperature Range:** | -40°F to 500°F (-40°C to 260°C) |
| **Specific gravity:** | 1.2 |
| **Dielectric Constant:** | 4.93 |
| **Consistency:** | 250-310 mm/10 |
| **Evaporation Rate:** | < 0.1% |
| **Water Washout:** | 1.5 wt. % |
| **Thermal Conductivity:** | 2.174 watts/meter K (PLTL-73) |

### DIRECTIONS:

- Clean and dry area to be treated.
- Apply compound to base of device case to ensure complete bond between device and heat sink or chassis.
- Re-apply as necessary.

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## SHELF LIFE / WARRANTY:

Super Lube® products have a five (5) year recommended shelf life when stored in the original container and in reasonable ambient conditions. The warranty period is twenty-four (24) months from the date of purchase. For complete information visit www.super-lube.com/what-is-the-shelf-life-ezp-320.html.

See Safety Data Sheet (SDS) for further details regarding safe use of this product.

Made in USA

The information provided in this Technical Data Sheet including the recommendations for use and application of the product are based on our knowledge and experience of the product as of the date of this bulletin. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Kano Laboratories LLC is, therefore not liable for the suitability of our product for the production processes and conditions in respect for which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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