



1801 Morgan Street
Rockford, IL 61102
Phone: (815) 968-9661
Fax: (815) 968-9731
www.gcelectronics.com

MSDS Number: 148
Revision Date: 04/21/2015
Supersedes Date: 02/01/2013

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: HEAT SINK COMPOUND

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Type: Silicone
Product Name: HEAT SINK COMPOUND
Part Number(s): 10-8106
10-8108
10-8109

Emergency Contact: Chemtrec
Phone: (800) 424-9300

SECTION 2: HAZARD IDENTIFICATION



Skin Irritant (skin and eyes)

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Registry #</u>
Zinc Oxide	1314-13-2
00840600 # 5037P	(Trade Secret)

- Based on the data available, 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.



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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



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off White Paste	Specific Gravity:	2.4 (H ₂ O=1)
Odor:	Odorless	Vapor Pressure:	N/A
Odor Threshold:	N/A	Vapor Density:	Not relevant
pH:	N/A	Relative Density:	N/A
Freezing Point:	-40°F/-40°C	Solubility in Water:	Insoluble
Initial Boiling Point and Boiling Range:	N/A	Partition coefficient/ n-octanol/water	N/A
Flash Point:	400°F/204° (COC)	Auto-ignition Temperature:	N/A
Evaporation Rate:	<0.01 (butyl acetate=1)	Decomposition Temperature:	260°C
Flammability Limits:	LFL: Not determined UFL: Not determined	Viscosity:	432,000/50,000 cP 1/10 sec ⁻¹ @ 25°C
Upper/lower Flammability Limits:	N/A		

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 know
Measures of toxicity: N/A



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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.



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SECTION 16: OTHER INFORMATION

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.