

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: HTC (High Thermal Conductivity)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Type: Heat Sink Compunds
Product Name: **HTC (High Thermal Conductivity)**
Part Number(s): **10-8135**
10-8135-0001

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

SECTION 2: HAZARD IDENTIFICATION



Skin Irritant (skin and eyes)

SECTION 3: COMPOSITION / IDENTIFICATION ON INGREDIENTS

	<u>CAS Registry #</u>
Zinc Oxide	1314-13-2
00840600 # 5000P	(Trade Secret)
00840600 # 5030P	(Trade Secret)
00840600 # 5037P	(Trade Secret)

- 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



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

MSDS Number: 127
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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:	2.7 (H ₂ O=1)
Odor:	Odorless	Vapor Pressure:	Not available
Odor Threshold:	N/A	Vapor Density:	Not available
pH:	N/A	Relative Density:	N/A
Freezing Point:	-67°F/-55°C	Solubility in Water:	Insoluble
Initial Boiling Point and Boiling Range:	N/A	Partition coefficient/ n-octanol/water	N/A
Flash Point:	565°F/296° (COC)	Auto-ignition Temperature:	N/A
Evaporation Rate:	<0.01 (butyl acetate=1)	Decomposition Temperature:	N/A
Flammability Limits:	LFL: Not determined UFL: Not determined	Viscosity:	N/A
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 known

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.

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 MSDS 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)



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SECTION 16: OTHER INFORMATION (CONTINUED)

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.

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