SAFETY DATA SHEET
Finished Product

ELECTRONICS, INC.

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Silicone Heat Sink Compound
NTE303A

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Brand Name	NTE303A
Product Description:	Silicone Heat Sink Compound
Product Code	NTE303A
Marketer Contact Information:	NTE Electronics, Inc. 44 Farrand Street Bloomfield, NJ 07003 973-748-5089
Emergency Phone:	CHEMTREC 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous under 29CFR 1910.1200 (HazCom 2012)
Label Elements	
Hazard Symbol:	No Symbol
Signal Word:	No Signal word
Hazard Statement:	Not Applicable
Precautionary Statement	If SWALLOWED: rinse mouth. Do NOT induce vomiting. If ON SKIN: Wash with plenty of soap and water. Keep out of reach of children.
Other hazards which do not result in GHS classification:	None

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Name	CAS-No.	Concentration
Zinc Oxide	1314-13-2	50—80%

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

SECTION 4. FIRST-AID MEASURES

Ingestion:	Do not induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek medical treatment.
Inhalation:	Unlikely to be required but if necessary treat symptomatically.
Skin Contact:	Unlikely to be required but if necessary treat symptomatically.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.
Most important symptoms/effects, acute and delayed:	None
Indication of immediate medical attention and special treatment needed treatment needed:	None

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	As appropriate for surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the substance or mixture:	None known.
Special protective equipment and precautions for firefighters	
Special protective equipment for fire-fighters:	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Not normally required. Wear protective gloves/eye protection.
Methods and material for containment and cleaning up:	Transfer to a container for disposal or recovery.
Environmental Precautions:	Not normally required. Contain effluent and prevent effluent from entering sewers and waterways.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes.
Conditions for safe storage, including any incompatibilities:	Store at room temperature.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Substance	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Unlikely to be hazardous by inhalation	-	-	-	-	-	

Recommended Monitoring Method:	Unlikely to be hazardous by inhalation.
Exposure Controls: **Appropriate Engineering Controls:**	No special measures are required.
Personal Protection Equipment:	
Eye/face protection	Not normally required.
Skin protection (Hand protection/other)	Not normally required.
Respiratory protection	Normally no personal respiratory protection is necessary.
Thermal hazards	Not normally required. Use gloves with insulation for thermal protection, when needed.
Environmental Exposure Controls:	Avoid release to the environment

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Heavy Paste
Color:	Grey
Odor:	No data available
Odor Threshold (ppm):	No data available
pH (Value):	No data available
Melting point (°C) / Freezing point (°C):	No data available
Boiling point and boiling range:	>200
Flash Point:	>200
Evaporation Rate:	<1
Flammability (solid, gas):	No data available
Explosive Limit Ranges	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density (g/ml)	2.0

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (Cont'd)

Solubility (Water):	Insoluble
Solubility (Other):	No data available
Partition Coefficient (n-Octanol/water):	No data available
Auto Ignition Point (°C):	No data available
Decomposition Temperature (°C):	No data available
Kinematic Viscosity	No data available
Explosive Properties	Not explosive
Oxidizing Properties	Not oxidizing

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable.
Possibility of Hazardous Reactions:	None anticipated.
Conditions to Avoid:	None known
Incompatible Materials:	None known
Hazardous Decomposition Product(s):	None known

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure Routes:	Skin Contact, Eye Contact

This material is unlikely to present a significant health hazard under normal conditions of handling and use.

Information on toxicological effects

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Zinc oxide (CAS# 1314-13-2)

Short Term	LC50 (96 hour): 1.793 mg/L (Danio rerio)
	EC50 (48 hour): 2.6-9 mg/l (Daphnia magna, mobility)
	IC50 (96 hour): 0.136 mg/l (Pseudokirchnerella subcapitate)

Long Term (By analogy with similar materials)	NOEC (30 days): 0.075 mg/l (Jordanella floridae)
	NOEC (21 days): 0.156 mg/l (Daphnia magna)
	NOEL (72 hours) 0.06 mg/l (Cladophora glomerate)

Persistence and degradability	This substance is predicted not to degrade in soil and water.
Bioaccumulative potential	The substance has low potential for bioaccumulation.
Mobility in soil	The substance has low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB
Other adverse effects	None known

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Discharge should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14. TRANSPORT INFORMATION

The information shown below is for packages exceeding 30 kg (66 lbs.), gross weight, and/or when any inner packages exceed 5 kg (11 pounds). For limited quantities, packaging materials must nonetheless comply with applicable specifications and may nonetheless require certain labeling information (e.g. the UN number in a black diamond). Refer to applicable hazardous materials transportation regulations.

	Land transport (U.S.DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN Number	-	UN3077	UN3077
Proper Shipping Name	Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons	Environmentally Hazardous Substance, solid, n.o.s (zinc oxide)	Environmentally Hazardous Substance, solid, n.o.s (zinc oxide)
Transport hazard (class(es)	-	9	9
Packing group	-	None	None
Environmental hazards	-	Yes	Yes
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not Applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) – Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-	-	-

SARA 311/312 --Hazard Categories: None

□ Fire □ Sudden Release □ Reactivity □ Immediate (acute) □ Chronic (delayed)

SARA 313 –Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Zinc compounds	1314-13-2	65

SARA 302 –Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (Pounds)
None	-	-	-

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-	-

SECTION 16. OTHER INFORMATION

This information above is believed to be accurate and represents the best information currently available to us. However, neither NTE nor any of its subsidiaries make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.