

**1. Identification Of The Substance / Preparation And Company.**
**Product Information:** TM30 Performance Thermal Paste

**Product Number:** CT-9010001-WW

**Manufacturer/Supplier:** Ziitek Electronic Materials & Technology Ltd.

**Address:**

Building B8, Industry District II, Xicheng, Hengli Township, Dongguan City, Guangdong Province

**TEL:** +86-769-38801208

**Emergency Phone:**                      **Tel:** +86-769-38801208    **Fax:** +86-769-38801209

**2. Composition/Information On Ingredients:**


Components Name	Synonyms	Gravity (%)	Percentage for Chemical Ingredient (%)	Chemical Abstracts Number(CAS No)
Zinc oxide	Zinc oxide	55% ~ 65%	---	1314-13-2
Dimethylsilicon Oil		45%-50%		63148-62-9
<b>(Down is blank)</b>				

**Mixture**

Chemical Characteristics:

Hazardous Components Name	Concentration/Percentage	Hazard Symbols
<b>Down is blank</b>		

**3. Hazard Identification:**

Major Hazard Effect	Hazard warnings for Health: No significant adverse effects from normal use.
	Hazard warnings for Environment: Warning 
	Physical and Chemical Dangerous: NO
	Special Harm: NO
Major State	NO
Hazard classification	<ul style="list-style-type: none"> <li>●Classification according to Regulation (EC)No 1272/2008</li> <li>●Acute aquatic toxicity (Category 1), H400</li> <li>●Chronic aquatic toxicity (Category 1), H410</li> <li>●For the full text of the H-Statements mentioned in this Section, see Section 16</li> </ul>
Precautionary Statement	<ul style="list-style-type: none"> <li>●Avoid contact with skin and eyes</li> <li>●In case of fire and/or explosion do not breathe fumes</li> </ul>

**Precautionary Statement Cont.**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF ON SKIN: wash with plenty of soap and water.
- P273 Avoid release to the environment.
- P501 Dispose of contents/container to an approved waste disposal plant.

**4. First Aid Measures:**

Skin Contact	Remove product from skin with dry cloth or towel, and wash exposed area with detergent.
Eye Contact	Flush with plenty of water immediately for at least 15 minutes. Get medical attention if irritation persists.
Ingestion	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately

**5. Fire Fighting Measure:**
**Suitable extinguishing media:**

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>) dry chemical or water spray. Water can be used to cool fire exposed containers.

**Special exposure hazards: NO**
**Special Extinguishing Procedure:**

Remove away from the heat, extinguish by water or other media

**Special protection equipment:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

**6. Accidental Release Measures:**

**Personal protection:** Avoid eye contact. Do not take internally.

**Environment protection:** Do not allow large quantities to enter drains or surface waters.

**Methods for Cleaning up:**

It is recommended that customers use disposable containers and utensils whenever possible to simplify clean-up. However, when disposable materials are impractical, TM30 can be removed by cleaning equipment with a solvent such as isopropyl alcohol. Observe appropriate precautions when using flammable solvents. Solvent-cleaned utensils should be thoroughly dried before reuse. Any remaining solvent can contaminate TM30 during the next application or use.

**7. Handling and Storage:**

**Handling:** Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

**Storage:** TM30 has a shelf life of two years at 25°C - 30°C. TM30 should be stored at 5°C to retain optimal properties.

**8. Exposure Control/Personal Protection:**
**Engineering Control:** Don't expose under sunshine directly

**Hygienic procedures:** N/A

**Personal Protective Equipment:** No need

**9. Physical and Chemical Properties / Characteristics:**

Appearance: Grease	Form: Grease
Color: Gray	Odor: Odorless
PH Value: 5~7	Boiling Point/Boiling Range: >700℃
Decomposition temperature: N/A	Flash Point: N/A Test Method: N/A
Spontaneous Temperature: N/A	Explosion Limits: N/A
Vapor Pressure: N/A	Vapor Density: N/A
Specific Gravity: 2.5 g/cc	Solubility in water: N/A

**10. Stability and Reactivity:**
**Stability:** Stable

**Special Conditions of Hazardous Reaction:** N/A

**Some rusty metal:** N/A

**Conditions to Avoid:** N/A

**Incompatibility:** Strong alkalis and strong acids

**11. Toxicological information:**
**Acute toxicity:**

Chemical Name	CAS No.	LD50(Dermal)	LC50(inhalation)
Zinc oxide	1314-13-2	—	—

- **Eyes:** Direct contact may cause temporary redness and discomfort.
- **Skin:** No significant irritation expected from a single short-term exposure.)
- **Ingestion:** Low ingestion hazard in normal use.)
- **Inhalation:** No significant effects expected from a single short-term exposure.

**Local Effects:** No

**Sensitive:** No

**Chronic toxicity:** No

**Especial effect:** No

## 12. Ecological Information:

- Aquatic and Terrestrial Eco-toxicity
  - ◆ **Eco-toxicity Effects:**
  - ◆ Toxicity to fish
  - ◆ LC50 - Oncorhynchus mykiss (rainbow trout) - 1.1mg/l-96.0 h(Zinc oxide) Toxicity to daphnia and other aquatic invertebrates EC50 Daphnia magna (Water flea) - 0.098mg/l-48 h(Zinc oxide)
- Persistence and Degradability
  - ◆ **Water:** Solid material, insoluble in water.)
- Bio-accumulative Potential
  - ◆ **Bioaccumulation:** No bio-accumulation potential.
  - ◆ **Mobility in Soil:** This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.
- **Other Adverse Effects:** —
- Additional Environmental: No specific information is available

## 13. Disposal Information:

**Disposal Information:** Can be recycled

## 14. Transport Information:

**International Transport Regulation:** Container

**The United Nations Number(UN-No):** No

**Internal Transport regulation:** Can be packed in box:  $\leq 8\text{kg}$  、  $\leq 22\text{kg}$  、  $\leq 13\text{kg}$  、  $\leq 20\text{kg}$

**Special Transport Way and Note:** Can be delivered as non-dangerous product

## 15. Regulation Information:

Rules on Workers Health and Safety Facilities.

Regulation of Labeling and Hazard Communication of Dangerous and Harmful Materials.

Traffic Safety Rules.

Standards for the Storage, Cleanup, Handling and disposal of Industrial Waste.

## 16. Other information:

**Legend:** This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Full text of H-Statement referred to under section 2 and 3.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.