

**Material Safety Data Sheet**  
(Prepared in accordance with OSHA Hazard communication  
Standard 29 CFR 1910.1200 Section (g)(c)(1))

**Manufacturer's Name:** TIM Consultants.  
2708 Blackstone Cv  
Round Rock, TX 78665

**Date of Preparation:** January 2005

**Emergency Telephone Number**  
\*\*\* (512) 589 – 9342 \*\*\*

**Information Telephone Number**  
\*\*\* (512) 589 – 9342 \*\*\*

**Section 1: Product Identification**

**Product Name:** T-C Grease 0098 (Matrix), Matrix II

**Synonym:** Thermally Conductive Grease, TIM

**Chemical Family:** Mixture

**Formula:** Mixture

**NFPA Profile:** Health 0 Flammability 0 Reactivity 0

**Formula:** Mixture

**Section 2: Hazards Identification**

**Potential Health Effects:**

**Ingestion:** Non-toxic by ingestion.

**Skin:** No significant irritation expected from a single short-term exposure.

**Inhalation:** Harmful if strongly heated (>150°C) vapors are inhaled.

**Eyes:** Direct contact may cause temporary redness and discomfort.

**Medical Conditions Aggravated:** None known

**Subchronic Effects:** None known

**Chronic Effects/Carcinogenicity:** This product contains no carcinogens or suspected carcinogens, in concentrations of 0.1% or greater, as defined by OSHA, ACGIH, NTP, and IARC.

**Section 3: Composition Information**

**Non-Hazardous**

#### Section 4: First Aid Measures

- Ingestion:** Do not induce vomiting. Rinse mouth and seek medical attention.
- Skin:** Wash with soap and water.
- Inhalation:** At ambient temperatures, no first aid should be needed. Harmful if strongly heated (>150°C) vapors are inhaled. Remove to fresh air.
- Eyes:** Immediately flush with water.

#### Section 5: Fire Fighting Measures

- Flash Point:** 215.6 °F / 102 °C (Seta Closed Cup)
- Autoignition Temperature:** Not determined.
- Flammability Limits in Air:** Not determined.
- 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.
- Fire Fighting Measures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
- Unusual Fire Hazards:** None.

#### Section 6: Accidental Release Measures

Wipe or scrape spilled material and dispose of material in accordance with federal, state, and local regulations.

#### Section 7: Handling and Storage

Keep container closed when not in use.

#### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** No special ventilation requirements if good ventilation is maintained

**Personal Protective Equipment (PPE):** Where contact is likely, wear chemical resistant gloves, long sleeves, and safety glasses with side shields.

**General Hygiene Considerations:** Wash hands thoroughly after handling and before eating or drinking

## Section 9: Physical / Chemical Properties

<b>Boiling Point:</b>	Not available	<b>Volatile by Volume:</b>	< 1.0 %
<b>Density:</b>	2.73 – 3.0 g/ml	<b>Vapor Pressure:</b>	Negative mm Hg @ 25° C
<b>Solubility in Water @ 20°C:</b>	Negative	<b>Evaporation Rate:</b>	Negative
<b>Vapor Density:</b>	Negligible (Air = 1)	<b>Physical State:</b>	Paste
<b>Appearance:</b>	Gray	<b>Odor:</b>	None

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None known
<b>Materials to Avoid:</b>	Inorganic acids, oxidizing agents.
<b>Hazardous Polymerization:</b>	Does not occur
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, and silicon dioxide.

## Section 11: Toxicological Information

Consult manufacturer for details.

## Section 12: Ecological Information

### Environmental Fate and Distribution

Complete information is not yet available.

### Environmental Effects

Complete information is not yet available.

### Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

## Section 13: Waste Disposal

Non-hazardous. Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

## Section 14: Transport Information

**DOT Shipping Name:** None

**DOT Hazard Class:** None

**DOT Label(s):** None

**UN/NA Number:** None

**IATA:** None

**IMO - IMDG Code:** None

## Section 15: Regulatory Information

**SARA Section 302:** Not listed

**SARA Section 311, 312:** Not listed

**SARA Section 313:** This material contains Zinc oxide (CAS # 1314-13-2) which is subject to the reporting requirements of Section 3131 of SARA Title III and 40 CFR 372.

### Supplemental State Compliance Information

#### California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

#### Massachusetts

No ingredient regulated by MA Right-to-Know Law present.

#### New Jersey

CAS Number	Wt %	Component Name
NJ TSRN 14962700-639 7P	>40%	Treated filler
NJ TSRN 14962700-639 8P	15.0 - 40.0	Zinc oxide
63148-62-9	1.0 - 15.0	Silicone

#### Pennsylvania

CAS Number	Wt %	Component Name
Trade Secret	>40%	Treated filler
Trade Secret	15.0 - 40.0	Zinc oxide

## Section 16: Other Information

**NOTICE:** The information herein is based on data considered to be accurate at date of preparation. No warranty is made as to the accuracy or completeness of the foregoing data and safety information. No responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.