
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.
Hi-Tech Products Industrial Space
8818 Shoal Creek Blvd.
Austin, TX 78757

Emergency Telephone Number

*** (512) 589 – 9342 ***

Information Telephone Number

*** (512) 589 – 9342 ***

Date of Preparation: January 2005

Section 1: Product Identification

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

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 (CO₂), 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

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

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	Inorganic acids, oxidizing agents.
Hazardous Polymerization:	Does not occur
Hazardous Decomposition Products:	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.