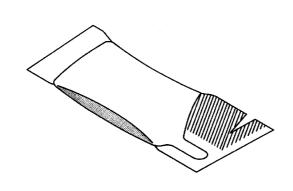


# NTE303 Silicone Thermal Compound 1 Gram/Tube

<u>Technical Specifications</u>: (Typical)

Material Description

Base	Silicon Oil
Filler	Zinc Oxide and Silica
Color	White
Serviceable Range	40° to +400°F
Specific Gravity	2.3 minimum
Thermal Conductivity, (K factor, cal/cm2/°C/sec/cm)	0.001
Physical Properties	
Consistency	
Worked Penetration (60 strokes) @ +77°F	250–330
Brookfield Viscosity (spindle #7; 1 rpm; 4th rev. @ +77°F)	1.1 – 1.6 mil cps.
Bleed; % max. after 24 hrs, @ +200°C	1.0
Evaporation; % max., after 24 hrs @ +200°C	1.0



## **Material Safety Data Sheet:**

Section I

Distributor: Century Lubricants Co. Telephone: 913-791-3645 Address: 2140 S. 88<sup>th</sup> Street Chem Trec: 800-424-9300

Kansas City, KS 66111-8701

Revision Date: 1-18-96 HPC11 DOC 498 188002-AA Prepared By: M. D. Hart

**Section II (Chemical and Physical Properties)** 

Solubility in Water (@ 20°C): Vapor Density (Air = 1): NIL > 1 Specific Gravity (Water = 1): Strong Acid: NO > 1.0 Vapor Pressure (mmHg @ 20°C): NIL Strong Base: NO Evaporation Rate (Ether = 1): Boiling Point (°F): +600°F < 0.001 Percent Volatile (By Weight): Melting Point (°F): **ZERO** N/A

Appearance and Odor: White Gel. Odorless

**Section III (Reactivity Data)** 

Stability: Stable

Incompatibility: Keep Away From Strong Oxidizers

Note: Hazardous Polymerization Will Not Occur

**Section IV (Fire and Explosion Data)** 

Flash Point (Method): 600°F Min Flammable Limits – LEL: UNK UEL: UNK Extinguishing Agents: Dry Chemical (X) C0<sub>2</sub> (X) Water Spray (X) Foam (X)

Special Fire Fighting Procedures: Avoid breathing vapors. Use breathing apparatus in confined

areas. Cool exposed containers with water spray.

Hazardous Thermal Decomposition Product: Silicon dioxide, carbon oxides, formaldehyde,

unidentified organic compounds

**Section V (Precautions for Safe Handling and Use)** 

Steps to Take in Case of Spill: Add absorbent to spill area. Keep silicone products out of sewers

and waterways. Advise authorities if they do enter.

Waste Disposal Method: Dispose of at appropriate waste facility in accordance with

regulations.

Precautions in Storage: Keep containers closed when not in use. Do not handle near heat,

flames, sparks. Do not weld or heat empty containers.

**Section VI (Health Hazard Data)** 

Permissible Concentrations (Air): None Established

Route	Effect of Overexposure	Emergency First Aid Procedure
Eyes	None Expected	Flush with water. See physician.
Skin	Prolonged or repeated contact may cause mild irritation	Wash with soap and water. If high pressure, get immediate medical attention.
Inhalation	None Expected	Remove from contaminated area.
Ingestion	None Expected	
Chronic	None Expected	

#### Material Safety Data Sheet (Cont'd):

#### **Section VI (Health Hazard Data)**

**Hazardous Ingredients** TLV, TWA, PEL IARC, NTP, OSHA Silica Thickner PEL 20 MPPCF (As Dust) Not Listed Not Listed

Zinc Compound \* < 80% TWA 5 MG/M3 (As Dust)

### **Section VII (Control Measures)**

Respiration Protection: None Normally Needed

Ventilation Type: General adequate. Use local mechanical to insure TLV's not

surpassed where applicable.

Skin Protection: Chemically Resistance Desirable Goggles or Faceshield Desirable Eye Protection:

Other Protective Measures: None normally needed.

#### **Section VIII (Miscellaneous)**

**UNK** means Unknown **EST** means Estimated N/A means Not Applicable

The information contained herein is based on data considered accurate. However, no warranty, expressed or implied, is given regarding the accuracy of this data or the result to be obtained from the use thereof.

<sup>\*</sup> This component is regulated under Section 313 of SARA