

I. Product

Product Name: **PST-433**  
Product Type: Silicone Grease  
NFPA Profile: Health - 1 Flammability - 1 Instability/Reactivity - 0

II. OSHA Components

<u>CAS #</u>	<u>WT % Range</u>	<u>Component</u>
10448-09-6	<0.1	Phenylheptamethyl cyclotetrasiloxane
33204-76-1	<0.1	2,6-cis-Diphenylhexamethyl cyclotetrasiloxane

The above components are hazardous as defined in 29 CFR 1910.1200.

III. Effects of Overexposure

Acute Effects

Eyes: Direct contact may cause temporary redness and discomfort, flush with water.  
Skin: No significant irritation expected from a single short-term exposure.  
Inhalation: No significant effects expected from a single short-term exposure.  
Oral: Low ingestion hazard in normal use, seek medical attention.

Prolonged/Repeated Exposure Effects

Skin: Repeated or prolonged exposure may cause irritation.  
Inhalation: No known applicable information.  
Oral: Repeated ingestion or swallowing large amounts may injure internally.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

IV. Protective Equipment For Routine Handling

Eyes: Safety Goggles or Glasses  
Skin: Washing at mealtime and at end of shift is adequate.  
Suitable Gloves: No special protection needed.  
Inhalation: No respiratory protection should be needed.  
Suitable Respirator: None should be needed.  
Local Ventilation: None should be needed.  
General Ventilation: Recommended.

V. Handling and Storage

Use with adequate ventilation. Traces of benzene (carcinogen) may form is heated in air above 300 F (149 C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Use at high temperatures may evolve or generate phenylheptamethyl cyclotetrasiloxane, 2,6-cis-diphenylhexamethyl cyclotetrasiloxane. Provide adequate ventilation to control within exposure guidelines. Personnel should wear organic vapor respirators until workplace exposure levels have been determined. Do not take internally. Avoid eye contact. Use reasonable care and store away from oxidizing materials.

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VI. Transport Information

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (ICAO)

Not subject to ICAO regulations.

VII. Spill and Disposal Procedures

Cleaning up Spills: Use absorbent material to collect and contain material for disposal  
Recommendation of Disposal: Dispose in accordance with Federal, State and Local regulations

VIII. Reactivity Data

Stability: Stable.  
Hazardous Polymerization: Will not occur.  
Incompatibilities: Oxidizing material can cause a reaction.

IX. Flammability

Flash Point: >214. F/>101.1 C Closed Cup  
Autoignition Temperature: Not determined  
Flammability Limits in Air: Not determined  
Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.  
Unusual Fire Hazards: None  
Extinguishing Agents: Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, foam. Water can be used to cool fire exposed containers.  
Hazardous Products Formed: Carbon oxides and traces of incompletely burned carbon compounds silicon dioxide, metal oxides, formaldehyde.

X. Chemical and Physical Properties

Vapor Pressure @ 25 C Not Determined  
Vapor Density Not Determined  
Soluble in Water Not Determined  
Specific Gravity @ 25 C Not Determined  
Boiling Point: Not Determined  
Freezing/Melting Point: Not Determined  
Volatile Organic Compound % Not Determined  
pH Not Determined  
Viscosity: N/A  
Appearance off white Grease  
Odor: Slight Odor

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Material Safety Data Sheet

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XI. Other Information

These data are offered in good faith as typical values and not as product specifications. No warranty, either 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.

Prepared By:

POLYSI TECHNOLOGIES, INC.