

Material Safety Data Sheet
PM-50 Phenylmethylsiloxane
Silicone Fluid



Data Prepared: March 1st, 2012

SECTION I: IDENTIFICATION OF THE SUBSTANCE & COMPANY

Product Name: **PM-50 Phenylmethylsiloxane Silicone Fluid**
Product Code: **PM-50**

Made for: **CLEARCO PRODUCTS CO. INC.,**
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General Description: Silicone Fluid, Phenylmethylsiloxane
Chemical Name: 8-12% Phenylmethylsiloxane
Synonyms: Phenylmethylsiloxane Copolymer
Physical Form: Liquid
Color: Colorless
Odor: Characteristic Odor

HMIS Ratings:

FLAMMABILITY: 1 REACTIVITY: 0 HEALTH: 1

SECTION II. INGREDIENTS

Identity	CAS #	%	TLV OSHA PEL
(8-12%Phenylmethylsiloxane)(Dimethyl-Siloxane) Copolymer, Trimethylsilyl Terminated	63148-52-7	>97	Not established N/A
Octamethylcyclotetrasiloxane	556-67-2	<2	Not established N/A
2,5-Cis- Diphenylhexamethylcyclotetrasiloxane	3204-76-1	<0.1	Not established N/A

SECTION III. PHYSICAL DATA

Boiling Point: >205°C Melting Point: <0°
Specific Gravity: 1.00 Vapor Pressure: not determined
Vapor Density, air = 1: NA Solubility in water: insoluble
% volatiles: <3 Evaporation rate: NA
Molecular Weight: not determined Viscosity: 50, 500 & 30,000cSt
Appearance & Color: Clear viscous liquid

SECTION IV. FIRE & EXPLOSION DATA

Flash Point, COC: 275°C / 527°F
Autoignition Temp.: 482°C
Flammability Limits: LEL: NA UEL: NA

Extinguishing Media: Water spray or fog, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

SECTION V. ENVIRONMENTAL INFORMATION

Spill response: Absorb material onto vermiculite, clay or similar inert absorbent. Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

SECTION VI. HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: No information available. Avoid Contact.

Inhalation: No information available. Avoid inhalation.

Oral Toxicity: not determined

Inhalation Toxicity: not determined

NOTE: This product may contain low levels of 2,5-cis-diphenylhexamethylcyclotetra-siloxane which exhibits pseudo-estrogenic effects.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, and then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

SECTION VII. REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors and silicon dioxide. At temperatures greater than 300°C trace amounts of benzene may form.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. If operating at temperatures above 175°C ventilation is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

SECTION IX. OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

SECTION X. TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

SECTION XI. DISCLAIMER

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