

Clearco Products Co., Inc.
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**MATERIAL SAFETY
DATA SHEET**

**EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300**

NAME ON LABEL: **Clearco PM-100 Diphenyl-Dimethylsiloxane Silicone**

CHEMICAL NAME: (7-10%) Diphenylsiloxane, (90-93%) Dimethylsiloxane Silicone Copolymer
Synonyms: Dimethyl-Diphenylsiloxane Copolymer
Chemical Family: SILICONE

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV OSHA PEL
(7-10%) Diphenylsiloxane, (90-93%) Dimethylsiloxane Silicone Copolymer	68083-14-2	>95%	not established
Octamethylcyclotetrasiloxane	556-67-2	<2%	not established

PHYSICAL DATA

Boiling Point: >205°C
Specific Gravity: 0.98 to 0.99
Vapor Density, air = 1: NA
% Volatiles: <1
Molecular : 5,000 to 8,000
Appearance & Color: Clear liquid

Melting Point: <-60°C
Vapor Pressure: not determined
Solubility in water: insoluble
Evaporation rate: NA
Viscosity: 90 to 140cSt @ 25C

FIRE & EXPLOSION DATA

Flash Point, COC: 280°C (536°F)
Autoignition Temp.: 484°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.

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.

HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.
Skin contact: A single relatively short exposure causes no adverse effect. Several or prolonged exposures may irritate. Avoid Contact.
Inhalation: No information available. Avoid inhalation.
Oral Toxicity: not determined
Inhalation Toxicity: not determined

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.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors and silicon dioxide.

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.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: Oils, lubricating, O/T Petroleum, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs ISSUE DATE PM-100: 8/13/02

SUPERSEDES: 8/26/94

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