

**Clearco Products Co., Inc.**  
3430 G. Progress Drive, Bensalem, PA 19020  
Phone: (215) 639-2640

**MATERIAL SAFETY DATA SHEET**

Emergency Telephone Number  
CHEM-TEL: 1 (800) 255-3924  
CHEM TEL: 1-800-255-3924 (DOMESTIC)  
+01-813-248-0585 (INTERNATIONAL)

Date Prepared 4/05/2011

NAME ON LABEL: **Clearco DPDM-200 Diphenyl-dimethylsiloxane**

**CHEMICAL NAME:** (18 to 22%) Diphenylsiloxane, (78 to 82%) Dimethylsiloxane Copolymer  
**SYNONYMS:** Dimethyl-Diphenylsiloxane Copolymer  
**CHEMICAL FAMILY:** SILICONE  
**HMS CODES** HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV OSHA PEL
(18 to 22% Diphenylsiloxane Copolymer), (78 to 82% Dimethylsiloxane) Trimethylsiloxy Terminated	68083-14-7	>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 weight : 1,500 to 3,000  
Appearance & Color: Clear liquid

Melting Point: <-60°C  
Vapor Pressure: not determined  
Solubility in water: insoluble  
Evaporation rate: NA  
Viscosity: 150 to 250cSt

**FIRE & EXPLOSION DATA**

Flash Point, COC: 285°C (547°F)  
Autoignition Temp.: 488°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

The information contained in this document has been gathered from reference materials and/or Clearco Products, Inc. test data and is to the best knowledge and belief of Clearco Products. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones that exist. Clearco Products makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.