

# Clearco Products Co., Inc

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## MATERIAL SAFETY DATA SHEET

NAME ON LABEL: **DPF-7040 Diffusion Pump Fluid**  
CHEMICAL NAME: 1,1,5,5 – TETRAPHENYL – 1,3,3,5 – TETRAMETHYLTRISILOXANE  
SYNONYMS: PHENYLSILICONE FLUID  
CHEMICAL FAMILY: SILICONE FLUID  
HMIS CODES: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

### INGREDIENTS

Identity	CAS No.	% TLV (threshold limit value)	OSHA PEL (permissible exposure limit)
Tetramethyltetraphenyl trisiloxane	3982-82-9	>95	Not established

### PHYSICAL DATA

Boiling Point: 233°C at 0.5 mm  
Specific Gravity: 1.07  
Vapor Density (air = 1): >5  
% Volatiles: <1  
Molecular Weight: 484.82  
Appearance & Color: Clear liquid  
Melting Point: 0°C  
Vapor Pressure: <0.001mm  
Solubility in water: insoluble  
Evaporation rate: N/A  
Viscosity: 5-40cSt

### FIRE & EXPLOSION DATA

Flash Point, COC: 221°C (430°F)  
Auto-ignition Temp: not determined  
Flammability Limits – LEL: N/A UEL: N/A

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: May cause immediate or delayed eye irritation.  
Skin Contact: No information available. Avoid inhalation.  
Inhalation: No information available. Avoid inhalation.  
Oral Toxicity: Not determined  
Inhalation: 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, 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: CHEMICALS, NOI  
DOT HAZARD CLASS: NOT REGULATED  
DOT LABEL: NOT REQUIRED  
DOT ID No: NOT REQUIRED

Prepared by safety and environmental affairs

ISSUE DATE DPF-7040: 8/16/02  
SUPERSEDES: 11/14/95

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