

Clearco Products Co., Inc

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MATERIAL SAFETY DATA SHEET

Emergency Telephone Number
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Date Prepared: 4/05/2011

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

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

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