

# Clearco Products Co., Inc

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## 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)

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NAME ON LABEL: **DPF-7050 DIFFUSION PUMP FLUID**  
CHEMICAL NAME: 1,1,3,5,5 – PENTAPHENYL – 1,3,5 – TRIMETHYLTRISILOXANE  
SYNONYMS: BIS (DIPHENYLMETHYLSILOXY) PHENYLMETHYLSILANE  
CHEMICAL FAMILY: ORGANOSLANE  
FORMULA:  $C_{33}H_{34}O_2Si_3$   
HMIS CODES: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

## INGREDIENTS

IDENTITY	CAS No.	% TLV (threshold limit value)	OSHA PEL (permissible exposure limit)
Trimethylpentaphenyl Trisiloxane	3390-61-2	>95	not established

## PHYSICAL DATA

Boiling Point:	225°C at 0.5 mm	Melting Point:	-25°C
Specific Gravity:	1.09	Vapor Pressure:	<0.001mm
Vapor Density (air = 1):	>1	Solubility in water:	insoluble
% Volatiles:	<0.01%	Evaporation rate:	N/A
Molecular Weight:	546.89	Viscosity:	175 cSt
Appearance & Color:	Clear viscous liquid		

## FIRE & EXPLOSION DATA

Flash Point, COC: 243°C (470°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: 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: May produce irritation or contact dermatitis.

Inhalation: Inhalation may irritate the respiratory tract.

Oral Toxicity: Not determined

Inhalation: Not determined

Eye Irritation: 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.

Containers require grounding during use.

**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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