

CLEARCO PRODUCTS

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 USED ON LABEL: **PSF-3cSt Silicone Heat Transfer Fluid**

CHEMICAL NAME: POLY(DIMETHYLSILOXANE), TRIMETHYLSILOXY TERMINATED

SYNONYMS: DIMETHYLSILOXANE

CHEMICAL FAMILY: SILICONE

HMS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV OSHA PEL
Polydimethylsiloxane	63148-62-9	100	Not established

PHYSICAL DATA

Boiling Point: >105°C at 2mm

Specific Gravity: 0.88

Vapor Density (air = 1): NA

% volatiles: NA

Molecular Weight: 410-620 Viscosity: 3cSt.

Appearance & Color: Clear, odorless liquid

Freezing Point: <-40°C

Vapor Pressure: not determined

Solubility in water: insoluble

Evaporation rate: NA

FIRE & EXPLOSION DATA

Flash Point, COC: 100°C (212°F)

Flammability Limits- LEL: NA

Auto ignition Temp: 438°C

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: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: No information available. 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, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable.

Conditions to avoid: Store away from oxidizers

Incompatibility (materials to avoid): Avoid contact with peroxides, oxidizing agents.

Hazardous decomposition products: Organic Acid Vapors, formaldehyde and silicon dioxide..

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. 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: Oils, lubricating, O/T Petroleum, NOI

DOT HAZARD CLASS: None required

DOT LABELS: None required

DOT ID No: None required

The information contained in this document has been gathered from reference materials and/or Clearco Products test data and is to the best knowledge and belief of Clearco Products, Inc. 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.