

CLEARCO PRODUCTS

3430 G Progress Drive, Bensalem, PA 19020

Phone: (215) 639-2640

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **POLYDIMETHYLSILOXANE – PSF-3cSt**

CHEMICAL NAME: POLY(DIMETHYLSILOXANE), TRIMETHYLSILOXY TERMINATED

SYNONYMS: DIMETHYLSILOXANE

CHEMICAL FAMILY: SILICONE

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV OSHA PEL
Polydimethylsiloxanes	9016-00-6	>80	Not established
Dodecamethylpentasiloxane	141-63-9	<20	Not established
Decamethyltetrasiloxane	141-62-8	<5	Not established
Octamethylcyclotetrasiloxane	556-67-2	<2	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

Appearance & Color: Clear, odorless liquid

Freezing Point: <-40°C

Vapor Pressure: not determined

Solubility in water: insoluble

Evaporation rate: NA

Viscosity: 3cSt.

FIRE & EXPLOSION DATA

Flash Point, COC: 100°C (212°F)

Flammability Limits- LEL: NA

Autoignition 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

Prepared by safety and environmental affairs ISSUE DATE PSF-3cSt: 6/14/04

SUPERSEDES: NONE

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