

Clearco Products Co., Inc.
3430 G Progress Drive, Bensalem, PA 19020 U.S.A.
Phone: 001 (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: **Pure Silicone Fluid 1,000,000cSt**
CHEMICAL NAME: POLYDIMETHYLSILOXANE
SYNONYMS: Silicone Oil
CHEMICAL FAMILY: SILICONE
HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

Identity	CAS No. %	TLV	OSHA PEL
Polydimethylsiloxane	63148-62-9 >95%	Not established	Not established
Octamethylcyclotetrasiloxane	556-67-2 <2%	Not established	Not established

PHYSICAL DATA

Boiling Point: >205°C
Specific Gravity: 0.978
Vapor Density (air = 1): NA
% Volatiles: <2
Molecular Weight: 308,000
Appearance & Color: Clear, nearly odorless liquid

Freezing Point: <-40°C)
Vapor Pressure: not determined
Solubility in water: insoluble
Evaporation rate (butyl acetate = 1): NA
Viscosity: 1,000,000cSt

FIRE & EXPLOSION DATA

Flash Point, COC: 321°C (610°F)
Flammability Limits- LEL: NA UEL: NA

Auto-ignition Temp: 490°C

Extinguishing Media: Water spray, 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. Liquid generates strong static charge when poured.

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to suitable container for disposal.
Recommended Disposal: May be incinerated. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation.
Skin contact: A single relatively short exposure causes no adverse effect. Several prolonged exposures may cause mild irritation. Avoid contact.
Inhalation: No information available. Avoid inhalation.
Oral Toxicity- rat, LD50: >40,000mg/kg
Inhalation Toxicity-rat, LC50: >525mg/L

Chronic Toxicity: This product has no components present at more than 0.1% that are listed as carcinogens or suspected carcinogens by NTP, IARC or OSHA.

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 in sealed containers in a cool place.

Conditions to avoid: Store away from oxidizers.

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

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine gas 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

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