

MATERIAL SAFETY DATA SHEET

Product Identification: **Clearco DOT 5 Silicone Brake Fluid**

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SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT DESCRIPTION	%	CAS Number	OSHA Hazardous (H) Non-Hazardous (NH)
Polydimethylsiloxane	95%	63148-62-9	NH
Tributylphosphate		126-73-8	H
Di-2-Ethythexyl Sebacate		122-62-3	NH

HMIS Rating

Flammability - 1 Reactivity - 0 Health - 1

SARA Title III Hazard Classification

(x) Immediate Acute Health Hazard

SECTION III PHYSICAL DATA

Boiling Point: NA
Specific Gravity (H₂O=1): .958 @ 25°C
Vapor Pressure (20°C): NA (mmHG)
Vapor Density (Air = 1): NA
Evaporation Rate (EE=1): NA
% Volatile by Volume: NA
Melting Point: N/A
Solubility In Water (20°C): Insoluble
Solubility in Organic Solvent: Soluble in Toluene
Appearance & Odor: Blue, viscous liquid/ odorless
Viscosity: 42.7 mm/s

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: (Method Used) >400°F / 204°C by PMCC
Flammable Limits: LFL: No Data UFL: No Data

Extinguishing Media: Dry chemical, Foam, CO

Special Fire Fighting Procedures: Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid heat and open flame
Hazard Polymerization: Will not occur
Incompatibilities: strong acids, strong bases, strong oxidizing materials
Hazardous Decomposition/Combustion: Will not occur

SECTION VI HEALTH HAZARD DATA

Exposure Limits in Air

Chemical Name	AOGTH (TWA)	OSHA (TWA)	Other
Tributylphosphate	0.2ppm (2.2mg/m)	0.2ppm (2.5mg/m)	

Acute Signs/Effects of Overexposure:

Swallowing: Low acute oral toxicity. No deaths in rats were observed at 5,000 mg/kg for polydimethylsiloxane. For Tributylphosphate, acute oral/rat LD50: 3,000mg/kg.

Eye Contact: Polydimethylsiloxane fluids are non-irritating to rabbit eyes. Tributylphosphate can cause eye irritation.

Skin Contact: Polydimethylsiloxane fluids are non-irritating to intact and abraded rabbit skin. Tributylphosphate can cause skin irritation.

Inhalation: This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.

Skin Absorption: Animal tests for similar polydimethylsiloxane fluids suggest very low acute dermal toxicity. Tributylphosphate may be absorbed thru the skin.

Other: None Known

Chronic Effects of Overexposure: None Known

Emergency and First Aid Procedures:

Ingestion: If swallowed and victim is fully conscious, induce vomiting immediately by giving two glasses of water and sticking finger down throat. GET IMMEDIATE MEDICAL ATTENTION.

Skin: Wash with soap and water

Inhalation: Although it would be difficult to inhale this product, seek medical attention if it should occur.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Note to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to the materials other than this product may have occurred.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill Response: Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

Disposal Method: Disposal should be made in accordance with Federal, State and Local regulations. Incineration recommended in approved incinerator according to Federal, State, and Local regulations..

SECTION VIII - PROTECTION AND PRECAUTIONS

Ventilation: Provide adequate ventilation

Respiratory Protection: None Known

Eye and Face Protection: Safety Glasses

Protective Gloves: work clothing and gloves

Other Protective Equipment: maintain a sink, safety shower and eyewash fountain in the work area.

Precautions to be Taken in Handling and Storage: None Known

Engineering Controls: None Known

SECTION IX – Regulatory Status

TSCA Inventory Status: Product is listed on the TSCA Inventory

Transportation Status: Not Regulated

Reportable Quantity RO, under US EPA CERCLA: Not applicable

State/International Right-to Know Regulations:

State: Tributylphosphate

CA: Not listed

CT: Not listed

FL: Toxic

IL: Toxic

LA: RTK

MA: TRK; Spill RQ 100lb

NJ: RTK ID# 1880

NY: Not listed

PA: RTK

RI: HAZ Toxic

Canada: None 1%; No 1597

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