

# 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)<br>Non-Hazardous (NH) |
|--------------------------|-----|------------|--|
| Polydimethylsiloxane     | 95% | 63148-62-9 | NH                                       |
| Tributylphosphate        |     | 126-73-8   | H  |
| Di-2-Ethylhexyl 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 (H<sub>2</sub>O=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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