
SILICONE BRAKE FLUID AJ331 -MIL-PRF-46176B - Product Code: J-1705

AJ Chemicals Lubricants & Equipment Co.
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Emergency Telephone Number
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Date Prepared
JAN 01, 2010

Section 1. Product Identification MIL-PRF-46176B QPL-SBF-1017

<u>Chemicals Name(s) of Primary Component(s)</u>	<u>CAS Number(s)</u>	<u>Chemical Formula</u>
Polydimethylsiloxane	63148-62-9	

Section 2. Ingredients/Summary of Hazards International Shipping : Code:EAR 99

<u>Ingredient(s)</u>	<u>CAS Number(s)</u>	<u>OSHA Hazardous (H)/ Non-Hazardous (NH)</u>
Polydimethylsiloxane	63148-62-9	NH
Proprietary Formula		

SARA Title III Hazard Classification:

<input checked="" type="checkbox"/> Immediate (Acute) Health Hazard	<input type="checkbox"/> Sudden Release of Pressure Hazard
<input type="checkbox"/> Delayed (Chronic) Health Hazard	<input type="checkbox"/> Reactive Hazard
<input type="checkbox"/> Fire Hazard	

WARNING STATEMENTS:**MAY CAUSE SKIN AND EYE IRRITATION.**

Section 3. PHYSICAL DATA

Melting Point (°F):	Not Applicable
Boiling point (°F):	Not Applicable
Vapor Pressure (mmHg at 20°C):	Not Applicable
Vapor Density (Air=1):	Not Applicable
Solubility in Water:	Insoluble
Specific Gravity:	0.958 @ 25°C

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Section 3. PHYSICAL DATA (Continue)
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Evaporation Rate (Butyl Acetate=1): Not Applicable
% Volatile by Volume: Not Applicable
Appearance/Odor: Blue, Viscous liquid/odorless
Viscosity: 42.7 mm /s

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Section 4. FIRE AND EXPLOSION HAZARD DATA
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Flash Point (F)/Method: 402/CC
Flammable Limits: LFL Not Applicable UFL Not Applicable
Extinguishing Media: () Water Fog (x) Foam
(x) Dry Chemical (x) CO
() Other (specify):
Special Fire Fighting Procedures: Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.
Unusual Fire And Explosion Hazards: None

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Section 5. REACTIVITY DATA
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Stability: () Unstable (x) Stable
Conditions to avoid: Avoid Heat and open flame.
Incompatibility (materials to avoid):
() Water (x) Strong Acids (x) Strong Bases
() Reducing agents (x) Strong oxydizing materials () Combustible Materials
() Other (Specify):

Hazardous Decomposition Products or Byproducts:

On Combustion, silica and oxides of carbon are emitted.
Hazardous polymerization: () May occur (x) Will not occur
Conditions to Avoid: Not applicable

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Section 6. Health Hazard Data/First Aid Procedures

EXPOSURE LIMITS IN AIR

<u>Chemical Name(s)</u>	<u>AOGTH (TWA)</u>	<u>OSHA (TWA)</u>	<u>OTHER</u>
Tributylphosphate	0.2 ppm (2.2 mg/m)	0.2 ppm (2.5 mg/m)	

EFFECTS OF SINGLE OVEREXPOSURE

- Swallowing:** Low Acute Oral Toxicity. (1) No deaths in rats were observed at 5000 mg/kg for polydimethylsiloxane. (2) For Tributylphosphate, acute oral/rat LD50: 3000 mg/kg.
- Skin Absorption:** Animal tests for similar polydimethylsiloxane fluids suggest very, low acute dermal toxicity. (1) Tributylphosphate may be absorbed through the skin.
- Inhalation:** This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.
- Skin Contact:** Polydimethylsiloxane fluids are non-irritating to intact and abraded rabbit skin. (1) Tributylphosphate can cause skin irritation.
- Eye Contact:** Polydimethylsiloxane fluids are non-irritating to rabbit eyes. (1) Tributylphosphate can cause eye irritation.

EFFECTS OF REPEATED OVEREXPOSURE:

No data Found.

CARCINOGENICITY:

This product does not contain any ingredient by IARC, NIP, ACGIH or OSHA as a probable human carcinogen.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO MAN:

No data found.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY OVEREXPOSURE:

No data found

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FIRST AID PROCEDURES:

EYES: In case of contact, wipe off excess with a clean gauze pad or cotton and then flush eyes with plenty of water for at least 15 minutes using an eyewash fountain. Lift upper and lower lids and rinse well under them. Get medical attention if irritation develops or persists.

SKIN: In case of contact, wipe of excess with a clean cloth and then wash with soap and plenty of water. Get Medical attention if irritation develops or persists.

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

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.**

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 materials other than this product may have occurred.

 Treat symptomatically. No specific information found.

Section 7. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate protective gear. Absorb onto vermiculite. Sweep up into appropriate container. Wash spill area after material pickup is complete with an appropriate solvent like paint thinner.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Local, State, and Federal regulations.

HANDLING AND STORAGE:

Store at room temperature in tightly closed containers. Avoid direct or prolonged contact with skin and eyes. Wash hands thoroughly after handling. Do not rub eyes with soiled hands. Do not eat, drink or smoke in the work area.

OTHER PRECAUTIONS:

None found.

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Section 8. CONTROL MEASURES AND WORKER PROTECTION INFORMATION

Respiratory Protection (specify type):

No special respiratory protection required for product as sold.

Ventilation: Provide adequate ventilation.

Protective Clothing: Work clothing, gloves.

Eye Protection: (x) Safety Glasses with Side Shields
() Chemical workers goggles.
() Gas-tight goggles or equivalent.
() Other (specify):

Other Protective Equipment:

Maintain a sink, safety shower and eyewash fountain in the work area.

Section 9. REGULATORY STATUS

TSCA Inventory Status: Product is listed on the TSCA Inventory.

Transportation Status: Not regulated.

Reportable Quantity RO, under U.S. EPA CERCLA: Not applicable.

Specifically Listed under SARA Title III:

- () Section 302 Extremely Hazardous Substances
- () Section 313 Toxic Chemicals
- (x) Not Listed

State/International Right-to-Know Regulations:

	<u>Tributylphosphate</u>
California:	Not Listed
Connecticut:	Not Listed
Florida:	Toxic
Illinois:	Toxic
Louisiana:	RTK
Massachusetts:	TRK; Spill RQ 100 lb.
New Jersey:	RTK ID# 1880
New York:	Not Listed
Pennsylvania:	RTK
Rhode Island:	HAZ Toxic
Canada:	Nonc. 1%; No. 1597

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Section 10. Transportation Requirements
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SILICONE BRAKE FLUID
CAS #63-148-62-9

FREIGHT CLASSIFICATION #30040 Brake Fluid other than petroleum Class 65

**PRODUCT CLASSIFIED UNDER DOT REGULATIONS AS
NON-HAZARDOUS-NOT REGULATED.**



**THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO
WARRANTY, EXPRESSED OR IMPLIED, IS MADE.**