

---

**Section 1. IDENTIFICATION: *Iris-911 SILICONE BRAKE FLUID***

---

**MIL-PRF-46176B      QPL-SBF-1027      Product Code: J-1705**

---

IRIS INDUSTRIES, INC  
46 Route 156 Suite 1  
Yardville, NJ 08620

Emergency Telephone Number  
(609) 228-3080  
Date Prepared  
January 1, 2018

---

**Section 2. Hazard(s) Identification      Tariff Code: 38190010      EAR 99**

---

Tributyl Phosphate      126-73-8

Not Classified as Hazardous

Potential Health Effects

Eye      May cause irritation.

Ingestion      Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

Inhalation      Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.

Skin Contact      May cause irritation.

HMIS/NFPA Codes

Health: 1      Fire: 1      Reactivity: 0

---

**Section 3. Composition Information on Ingredients**

---

<u>Chemical Name</u>	<u>% Content</u>	<u>CAS</u>
Polydimethylsiloxane	90 – 100%	63148-62-9
Tributyl Phosphate	<0-5%	126-73-8
Diocetyl Sebacate	<0-5%	122-62-3

---

---

**Section 4.      FIRST AID MEASURES**

---

Eyes	Immediately flush eyes with plenty of water for at least 30 minutes and get medical attention.
Ingestion	If swallowed, drink plenty of water, DO NOT induce vomiting. Immediately call a doctor. Do not give liquids to an unconscious or convulsing person.
Inhalation	If adverse effects occur, remove to uncontaminated area. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
Skin	Wash exposed skin with soap and water. Launder contaminated clothing before reuse.

---

**SILICONE BRAKE FLUID IRIS-911 -MIL-PRF-46176B - Product Code: J-1705**

---

---

**Section 5. Fire Fighting Measures**

---

**Suitable Extinguishing Media**

Agents approved for Class B hazards:

- Dry chemical
- Carbon dioxide
- Foam

**Fire Fighting Equipment**

Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards**

None Identified.

---

**Section 6. ACCIDENTAL RELEASE MEASURES**

---

**Action to take for spills/leaks**

Prevent spreading by diking, ditching, or absorbing on inert materials. Keep out of sewers and waterways.

---

**Section 7. HANDLING STORAGE**

---

**Handling:**

Do not breathe vapors. Avoid ingestion.

**Storage**

Store at temperatures between 10°C and 50°C (50°F and 122°F).

---

**Section 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

---

**Exposure guidelines**

	<b>ACGIH (TLV)</b>	<b>OSHA (PEL)</b>	<b>CAS</b>
Tributyl phosphate	0.2 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> PEL	126-73-8

**Eye protection**

Safety glasses, chemical goggles, or face shields recommended to prevent contact.

**Skin protection**

Wear clothing and gloves that cannot be penetrated by chemicals or oil.

**Ventilation**

Use with adequate ventilation. Avoid breathing vapor.



---

**SILICONE BRAKE FLUID IRIS-911 MIL-PRF-46176B - Product Code: J-1705**

---

---

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

---

Appearance:	Violet Viscous Fluid
Odor:	Odorless
Equilibrium reflux boiling point:	> 260°C (500°F)
Wet boiling point:	> 207°C (404.6°F)
Flash point (COC):	> 204°C (399.2°F)
Fire point (COC):	Not determined
Flammability Classification:	Not flammable
Specific gravity at 15.6°C (60°F):	0.94
Viscosity at -55°C (-67°F):	< 900 cSt
Viscosity at 100°C (212°F):	> 1.3 cSt
Vapor Pressure at (25°C)	<0.05 mmHg
VOC (%)	<1%

---

---

**Section 10. STABILITY AND REACTIVITY**

---

Conditions to avoid	Heat and open flame.
Dangerous reactions	No dangerous reactions known.
Hazardous polymerization	Will not occur
Hazardous decomposition products	Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.
Materials to avoid	Avoid contact with strong oxidizing agents.
Stability	Stable

---

---

**Section 11 TOXICOLOGICAL INFORMATION**

---

	USA	REACH
Acute Toxicity	Harmful if swallowed	H302 Harmful if swallowed
Eye irritation (rabbit)	Mild irritant	H315 Causes Irritation
Inhalation LD50	No data available.	No data available.
Diethyl sebacate Oral LD50, rat	9,500 mg/kg	
Tributyl phosphate Dermal LD50, rabbit	> 4,640 mg/kg	H315 causes Irritation
Tributyl phosphate Oral LD50, rat	3,160 mg/kg	
Skin irritation (rabbit)	No data available.	H315 causes Irritation
Sensitization	Testing not conducted. See other Toxicity Data.	

---

**SILICONE BRAKE FLUID IRIS-911 MIL-PRF-46176B - Product Code: J-1705**

---

<b>Carcinogenicity (Tributyl Phosphate)</b>	Not classified as a carcinogen by USA-OSHA, ECHA Above 1%
<b>Carcinogenicity (Tributyl Phosphate)REACH</b>	<b>Class 2 H351 Suspected of Causing Cancer</b>

**Reproductive toxicity (Tributyl Phosphate)** In a two generation reproductive toxicity study, rats were dosed with Tributyl phosphate at concentrations of 15, 53 or 225 mg/kg/day. There was no adverse effect on fertility or reproduction at any dose. The NOEL was greater than 3000 parts per million.

**Other**

Tributyl phosphate is a weak cholinesterase inhibitor.

---

**Section 12 ECOLOGICAL INFORMATION**

---

**Ecological data is not available.**

---

**Section 13 DISPOSABLE INFORMATION**

---

Disposal must be in accordance with applicable federal, state, or local regulations.

Do not allow product to reach ground water, water course, or sewage systems.

This unused material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable, or reactive according to U.S. EPA definitions (40 CFR Subpart C). This material could also become hazardous waste if it is mixed with or comes into contact with a listed hazardous waste. If it is a hazardous waste, regulations in 40 CFR 262-266, 268, 270, and 279 may apply.

---

**Section 14 TRANSPORT INFORMATION**

---

<b>U.S. Dept. of Transportation Shipping Name</b>	Not regulated.
<b>Canadian Transportation of Dangerous Goods Shipping Name</b>	Not regulated.
<b>European Rail/Road (ADR/RID) Shipping Name</b>	Not regulated.
<b>Air (ICAO/IATA) Shipping Name</b>	Not regulated.
<b>Sea (IMO/IMDG)</b>	<b>Not regulated.</b>



---

**SILICONE BRAKE FLUID IRIS-911 MIL-PRF-46176B - Product Code: J-1705**

---

**Section 15. REGULATORY INFORMATION**

---

**United States Regulatory Information****California (Proposition 65)**

This product does not contain any of the substances known to the State of California to cause cancer, birth defects, or reproductive harm.

**CERCLA Reportable Quantity** This product is not reportable under 40 CFR Part 302.4.

**Environmental Protection Agency** None of the ingredients are listed

**National Toxicology Program (NTP)** None of the ingredients are listed.

**OSHA Hazard Communication Standard** Not hazardous per 29 CFR 1910.1200(d).

**SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)**

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

**SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370)**

Hazardous categories for this product are: Acute= no; Chronic= no; Fire=no; Pressure=no; Reactive=no.

**SARA Title III Section 313 (40 CFR Part 372)**

This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

**U.S. Inventory (TSCA)** Listed on inventory.

**International Regulatory Information:**

**Australia Inventory (AICS)** Listed on inventory.

**Canada Inventory (DSL)** All of the ingredients are listed.

**Canada (WHMIS)** Not a controlled Product under Canada's Workplace Hazardous Material Information System.

**China (CICS)** None of the ingredients are listed.

**EC Inventory (EINECS/ELINCS)** In compliance.

**International Agency for Research on Cancer (IARC)** None of the ingredients are listed.

**Japan Inventory (MITI)** Listed on inventory.

**Korea Inventory (ECL)** Listed on inventory.

---

**SILICONE BRAKE FLUID IRIS-911 MIL-PRF-46176B - Product Code: J-1705**

---

Philippine Inventory (PICCS) Not determined

European Chemical Agency (ECHA) Reach (EC) No 1907/2006. Compliance

---

**Section 16 OTHER INFORMATION**

---

NFPA: HEALTH HAZARD (0) FLAMMABILITY (1) INSTABILITY (0) PHYSICAL AND CHEMICAL HAZARDS (-)

HMIS: HEALTH HAZARD (1) FLAMMABILITY (1) PHYSICAL HAZARD (0) PERSONAL PROTECTION (X)

Product use: Lubrication and corrosion protection of hydraulic brake systems.

This product is in compliance with European Chemical Agency (ECHA) Reach (EC) No 1907/2006

SILICONE BRAKE FLUID CAS #63-148-62-9 Tarriff Code: 38190010 EAR 99

FREIGHT CLASSIFICATION #30040 Brake Fluid other than petroleum Class 65

PRODUCT NON-HAZARDOUS-NOT REGULATED.



*"Iris Makes....the World Brakes."*

**Iris-911 Silicone Brake Fluid Meets or exceeds MIL-PRF-46176B, J1705 & FMVSS 116 (CMVSS 116) standards.**

Prepared by: Olga Iris Acevedo 46 Route 156 Suite 1- Yardville, New Jersey 08620  
Tel: 609-228-8030  
Issuing date: 27 July 1997  
Revision Date: 01 January 2018

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