



**RADCOLUBE® SBR-1 SILICONE BRAKE FLUID  
MATERIAL SAFETY DATA SHEET**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name**

**RADCOLUBE® SBR-1 SILICONE BRAKE FLUID**

**Meets Military Specification MIL-PRF-46176, DOT 5**

Qualification# SBF-1026 Dated: 17 JAN 2012

**NSNs: 9150-01-102-9455, 9150-01-123-3152, 9150-01-072-8379**

**Company Identification**

Radco Industries Inc.

PO BOX 305

LaFox, IL 60147

ISO 9001:2000 Certification Number: C2009-00209

Customer information number: 1-630-232-7966

Shipping emergency or off hour rush orders number: 1-630-336-6728

**EMERGENCY TELEPHONE NUMBER**

**Advisory Office in case of poisoning:**

Chemtrec ( North America): 1-800-424-9300

Chemtrec (International): 1-703-527-3887

**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>% Content</b>	<b>CAS</b>
Polydimethylsiloxane	80 – 100%	63148-62-9
Tributyl Phosphate	0-10%	126-73-8
Diocetyl Sebacate	0-10%	122-62-3

**SECTION 3. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Potential Health Effects**

**Eye**

No significant irritation expected based on data from components or similar materials.

**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**

No significant irritation expected. Wash skin and garments after contact.

**SECTION 3. HAZARDS IDENTIFICATION continued****HMIS**

Health: 1	Fire: 1	Reactivity: 0
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**NFPA Codes**

Health: 1	Fire: 1	Reactivity: 0
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**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.

**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 AND STORAGE****Handling**

Do not breathe vapors. Avoid ingestion.

**Storage**

Store at temperatures between 10°C and 50°C.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure guidelines**

Component	CAS#	Exposure Limits
Tributyl phosphate	126-73-8	10-50%
PEL 3 mg/m <sup>3</sup> (OSHA)		
TLV 3 mg/m <sup>3</sup> (ACGIH)		
TWA 3 mg/m <sup>3</sup> (NIOSH)		

**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. If heated and ventilation is inadequate, use NIOSH certified respirator, which will protect against organic vapor.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Violet Viscous Fluid
<b>Odor:</b>	Odorless
<b>pH:</b>	Not determined
<b>Boiling point:</b>	Not determined
<b>Flash point (COC):</b>	282°C
<b>Fire point (COC):</b>	Not determined
<b>Flammability Classification:</b>	Not flammable
<b>Autoignition temperature:</b>	No applicable
<b>Solubility in water:</b>	Negligible, < 0.1%
<b>Specific gravity at 15.6°C (60°F):</b>	0.85
<b>Viscosity at 100°C (212°F):</b>	19.5 cSt

**SECTION 10. STABILITY AND REACTIVITY****Conditions to avoid**

Heat and open flame.

**Dangerous reactions**

No dangerous reactions known.

**Hazardous polymerization**

Will not occur



**SECTION 10. STABILITY AND REACTIVITY continued**

**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**

**Acute Toxicity**

**Dermal LD50**

Testing not conducted. See other Toxicity Data.

**Eye**

Testing not conducted. See other Toxicity Data.

**Inhalation LD50**

Testing not conducted. See other Toxicity Data.

**Oral LD50**

Testing not conducted. See other Toxicity Data.

**Skin irritation**

Testing not conducted. See other Toxicity Data.

**Sensitization**

Testing not conducted. See other Toxicity Data.

**SECTION 12. ECOLOGICAL INFORMATION**

**Aquatic toxicity**

No data available

**SECTION 13. DISPOSAL 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.

**RCRA**

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

### U.S. Dept. of Transportation Shipping Name

Not regulated.

### Canadian Transportation of Dangerous Goods Shipping Name

Not regulated.

### European Rail/Road (ADR/RID) Shipping Name

Not regulated.

### Air (ICAO/IATA) Shipping Name

Not regulated.

### Sea (IMO/IMDG)

Not regulated.

## 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.

**SECTION 15. REGULATORY INFORMATION continued****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.

**Philippine Inventory (PICCS)**

Not determined.

**SECTION 16. OTHER INFORMATION**

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

Legend

CAS	Chemical Abstract Service Number
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
OSHA	Occupational Safety and Health Administration
STP	Standard temperature and pressure

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