



# MATERIAL SAFETY DATA SHEET CANADA

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Revised edition no : 2

Date : 10 / 10 / 2008

Supersedes : 9 / 21 / 2006

## Bel-Ray Silicone DOT 5 Brake Fluid

**97700**

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Trade name** : Bel-Ray Silicone DOT 5 Brake Fluid.  
**Identification of the product** : Brake Fluid  
**Use** : See product data sheet for detailed application.  
**Company identification** : Bel-Ray Company, Inc.  
P.O. Box 526  
Farmingdale NJ 07727 United States of America  
Telephone: +1 732 938 2421

**Emergency phone no** : CHEMTREC: 800-424-9300 (USA); +1 703-527-3887 (outside USA-call collect)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Components / Impurities** : Bel-Ray Silicone DOT 5 Brake Fluid : Dangerous product.  
**Mixture** : Silicone oil, Additives.

Substance name	Content	CAS No	EC No	Index No	Classification ***
Tributyl phosphate	1 to 5 %	126-73-8	204-800-2	015-014-00-2	Carc. Cat. 3; R40 Xi; R36/38

*Substances listed on IDL: See Heading 15.*

*\*\*\* List of relevant R phrases. See Heading 16 : OTHER INFORMATION*

### 3. HAZARDS IDENTIFICATION

**Primary route of exposure** : Skin. Eyes.  
**Inhalation** : May cause irritation to the respiratory tract.  
**Skin contact** : Irritating to skin.  
**Eye contact** : Irritating to eyes.  
**Ingestion** : May cause irritation.  
**NFPA Hazard Ratings** : Health : 2 - WARNING : May be harmful if inhaled or absorbed.  
Flammability : 1 - Combustible if heated.  
Reactivity : 0 - Stable : Not reactive when mixed with water.  
Special Notice Key : - - - -  
**WHMIS Hazard Ratings** : D2B

### 4. FIRST AID MEASURES

**First aid measures** : If overcome by exposure, remove victim to fresh air immediately. Seek medical advice (show the label where possible).  
**Inhalation** : Remove casualty to fresh air and keep at rest. Call a physician.  
**Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.  
**Eye contact** : Immediately flush eyes thoroughly with water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain emergency medical attention if pain, blinking, tears or redness persist.  
**Ingestion** : Never give anything by mouth to an unconscious person. Rinse mouth with water, do not induce vomiting, call a doctor.  
**Note to physician** : Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

- Hazardous combustion products** : Incomplete combustion may form carbon monoxide, Carbon dioxide, Formaldehyde, Silica
- **Suitable extinguishing media** : Dry powder. Foam.
- **Unsuitable extinguishing media** : Use of heavy stream of water may spread fire.
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fire from safe distance and protected location.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Ensure adequate ventilation. Eliminate every possible source of ignition. Ventilate confined spaces before entering.  
Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up small spills with dry chemical absorbent. Take up large spills with pump or vacuum. Sweep or shovel spills into appropriate container for disposal. Dispose in a safe manner in accordance with local/national regulations.

### 7. HANDLING AND STORAGE

- Precautions in handling and storage** : When using, do not eat, drink, or smoke.
- Storage** : Storage temperature: 5°C to 25°C (41°F to 77°F).  
Do not store near oxidizing agents. Keep only in the original container. Store in dry, cool, well-ventilated area. Provide adequate ventilation to minimize dust and/or vapour concentrations.
- Storage - away from** : Strong acids, bases. Strong oxidizers. Sparks. Open flame. Combustible material. Heat sources. Prolonged exposure to sunlight. Keep away from ignition sources (including static discharges).
- Handling** : Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with eyes. Ensure adequate ventilation. Wash thoroughly after handling.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : If overcome by exposure, remove victim to fresh air immediately.
- **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- **Hand protection** : Wear suitable gloves resistant to chemical penetration.
- **Skin protection** : Avoid prolonged or repeated contact with skin. If skin contact or contamination of clothing is likely, protective clothing should be worn. After contact with skin, wash immediately with plenty of soap and water.
- **Eye protection** : Chemical goggles or safety glasses.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Handle in accordance with good industrial hygiene and safety procedures.
- Occupational Exposure Limits** : Tributyl phosphate : TLV<sup>©</sup> -TWA [mg/m<sup>3</sup>] : 2.2  
Tributyl phosphate : TLV<sup>©</sup> -TWA [ppm] : 0.2  
Tributyl phosphate : MAC [mg/m<sup>3</sup>] : 5  
Tributyl phosphate : OSHA PEL [mg/m<sup>3</sup>] : 5



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Liquid.
Colour	: Purple.
Odo(u)r	: Odourless.
Density [kg/m <sup>3</sup> ]	: 958
Vapour pressure, 20°C	: < 0.1 mmHg
Viscosity	: 42-43 cSt @25°C
Flash point [°C]	: 206 (402°F)
Explosion limits	: No reliable data available.
Evaporation rate	: No reliable data available.

### 10. STABILITY AND REACTIVITY

Stability and reactivity	: Stable under normal conditions.
Hazardous decomposition products	: Carbon dioxide, carbon monoxide, & others.
Hazardous Polymerization	: Will not occur.
Materials to avoid	: Strong acids. Strong bases. Strong oxidizers.
Conditions to avoid	: Sparks. Heat. Combustible material. Open flame. Keep away from ignition sources (including static discharges).

### 11. TOXICOLOGICAL INFORMATION

Toxicity information	: Product not tested. No reliable data available.
• Inhalation	: May cause irritation to the respiratory tract.
• Dermal	: Irritating to skin.
• Ocular	: Irritating to eyes.
• Ingestion	: May cause irritation.
Rat oral LD50 [mg/kg]	: Product not tested. No reliable data available.
Rabbit dermal LD50 [mg/kg]	: Product not tested. No reliable data available.

### 12. ECOLOGICAL INFORMATION

Ecological effects information	: No reliable data available.
Bioaccumulative potential	: No reliable data available.
Persistence - degradability	: No reliable data available.

### 13. DISPOSAL CONSIDERATIONS

General	: Dispose in a safe manner in accordance with local/national regulations.
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### 14. TRANSPORT INFORMATION

TDG (Canada)	: Not regulated.
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### 15. REGULATORY INFORMATION

- Ingredient Disclosure List** : • Tributyl phosphate CAS 126-73-8
- Carcinogen classification** : Not listed by NTP, IARC or OSHA.
- Canadian Environmental Protection Act (CEPA)** : The substances in this preparation are listed on the Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL), are exempt, or have been reported in accordance with the New Substances Notification Regulations.

### 16. OTHER INFORMATION

- Recommended uses and restrictions** : Contact the producer or distributor. See product data sheet for detailed application.
- List of relevant R phrases* : *R36/38 - Irritating to eyes and skin.*  
*R40 - Limited evidence of a carcinogenic effect.*
- NOTE** : October 10, 2008: Revised
- Revision** : 2
- Print date** : 10 / 10 / 2008
- Prepared by** : Regulatory Department  
Bel-Ray Company, Inc.

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**End of document**

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