

MSDS - Material Safety Data Sheet**Product Name: DOT 5 SILICONE BRAKE FLUID**

MSDS No.: M4011

I. Basic Information:

Manufacturer: RADIATOR SPECIALTY COMPANY
Address: 600 RADIATOR ROAD
City, ST Zip: INDIAN TRAIL, NC 28079
Country: USA

Contact: Robert Geer
Information Telephone Number: 704-684--181 1
Emergency Contact: RMPDC (877-740-5015)
Emergency Telephone Number: 303-623-5716
Emergency Restrictions:

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Issue Date: 04/02/2013
Supersedes Date: 10/28/2008

II. Hazards Identification:**EMERGENCY OVERVIEW**

May cause eye and skin irritation

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Route(s) of Entry:**

Absorption, Eye, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below.

Signs and Symptoms:

May cause eye and skin irritation.

Medical Conditions Generally Aggravated by Exposure:

None Known

Other Health Warnings:

None Known

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Di-2-Ethylhexyl Sebacate	122-62-3	3	
Dimethyl Polysiloxane	63148-62-9	95	
Tributyl phosphate	126-73-8	2	

IV. First Aid Measures:**Emergency and First Aid Procedures:**

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Note to Physicians:

N/D

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V. Fire Fighting Measures:

Suitable Extinguishing Media:

Dry Chemical, Foam, and CO2. Water Jet only to cool containers.

Unsuitable Extinguishing Media:

Water extinguisher.

Products of Combustion:

Silica and oxides of carbon are emitted.

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes.

VI. Accidental Release Measures:

Personal Precautions:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

Methods for Cleanup:

Using a scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid to recover material.

Other Information:

If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:

Handling Precautions:

Store at room temperature in tightly closed containers. Avoid direct or prolonged contact with eyes and skin. Wash hands thoroughly after handling.

Storage Precautions:

Do not rub eyes with soiled hands. Do not eat, drink or smoke in the work area.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Dimethyl Polysiloxane	N/E	N/E	Not Available
Tributyl phosphate	0.2 ppm	0.2 ppm	Not Available
Di-2-Ethylhexyl Sebacate	N/E	N/E	Not Available

Engineering Controls:

See Section above for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

Wear safety glasses with side shields and latex gloves.

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IX. Physical and Chemical Properties:**Boiling Point:** 500°F**Boiling Range:** Not Available**Solubility In Water:** Insoluble**Flash Point:** 402°F**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** N/A**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** N/A**Specific Gravity (H2O = 1):** 0.96**Other Information:** Viscosity: 42.7 mm/s
VOC contents: 0 %**Melting Point:** N/A**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** N/A**Flash Point Method:** COC**Appearance and Odor:** Blue, viscous liquid/ odorless**Vapor Pressure (mm Hg.):** N/A**Partition Coefficient:** Not Available**Auto-Ignition Temp:** Not Available**Upper Explosive Limit:** N/A**X. Stability and Reactivity:****Stability:**

Stable

Conditions to Avoid:

See Incompatible materials below

Incompatible Materials:

Strong oxidizing agents, strong acids and strong bases.

Hazardous Decomposition Products:

Silica and oxides of carbon are emitted.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

Low Acute Oral Toxicity: For polydimethylsiloxane, no deaths in rats were observed at 5000 mg/kg. For Tributylphosphate, acute oral/rat LD50 3000 mg/kg.

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

Dispose of in accordance with all applicable government laws and regulations.

XIV. Transport Information:**Shipping Name:** Not Available**DOT Hazard Class:** Not Available**UN/NA#:** Not Available**Transportation Information:**

U.S. Department of Transportation (DOT)

Non-Bulk: Not Regulated

Bulk: Not Regulated

DOT Subsidiary Hazard Class: Not Available**Packing Group:** Not Available

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XV. Regulatory Information:SARA 313 Reportable Chemicals:
None

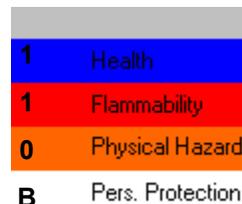
USA TSCA: All components of this material are listed on the US TSCA Invento

State RTK Chemicals:
Tributylphosphate 126-73-8Florida: Toxic
Illonis: Toxic
Rhode Island: Toxic**XVI. Other Information:**Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

Hazard Category:

 Acute Chronic Fire
 Pressure Reactive**Additional Manufacturer Warnings:**

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established
N/D: Not Determined
N/A: Not Applicable
N/AV: Not Available**Additional Product Information:**

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