**MSDS - Material Safety Data Sheet**

**Product Name:** TITE SEAL PAINTABLE AUTO BODY UNDERCOATING

**MSDS No.: T1616**

### I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** 600 RADIATOR ROAD  
**City, ST Zip:** INDIAN TRAIL, NC 28079  
**Emergency Contact:** Rocky Mountain Poison Control Center  
**Emergency Telephone Number:** 303-623-5716  
**Contact:** Robert Geer  
**Information Telephone Number:** 704-688-3430  
**Last Update:** 05/31/2006

**Chemical State:** Liquid  
**Chemical Type:** Mixture

**NFPA:**
- Health: 2  
- Flammability: 4  
- Reactivity: 0  
- Special: B

### II. Ingredients:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS NTP</th>
<th>IARC SUB Z</th>
<th>SARA 313 PEL</th>
<th>OSHA TLV</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>8032-32-4</td>
<td>Aliphatic Petroleum Distillate</td>
<td>7.0 - 13.0</td>
<td></td>
<td></td>
<td></td>
<td>300 ppm</td>
<td>N/E</td>
<td></td>
</tr>
<tr>
<td>84-74-2</td>
<td>Dibutyl phthalate</td>
<td>1.0 - 5.0</td>
<td></td>
<td></td>
<td>X</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>68476-86-8</td>
<td>Liquefied Petroleum Gas</td>
<td>10.0 - 30.0</td>
<td></td>
<td>X</td>
<td></td>
<td>N/E</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>79-20-9</td>
<td>Methyl acetate</td>
<td>7.0 - 13.0</td>
<td></td>
<td></td>
<td></td>
<td>200 ppm</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>7.0 - 13.0</td>
<td>X</td>
<td></td>
<td></td>
<td>100 PPM</td>
<td>100 PPM</td>
<td></td>
</tr>
</tbody>
</table>

- **Trade Secret** (N/D = Not Disclosed)

### III. Hazardous Identification:

**Hazard Category:**
- Acute: X  
- Chronic: X  
- Fire: X  
- Pressure:  
- Reactive: 

**Hazardous Identification Information:**

DANGER: Extremely Flammable.  Harmful or Fatal if Swallowed.  Eye Irritant, Contents Under Pressure.

Level 3 Aerosol

### IV. First Aid Measures:

**Route(s) of Entry:**
- Absorption, Eye, Inhalation, and Ingestion.

**Health Hazards (Acute and Chronic):**
- Chronic Hazards: over exposure may cause nervous system, lung, or kidney damage.

**Signs and Symptoms:**
- Eye Contact: Direct spray of vapors may be irritating or harmful to eyes.
- Skin Contact: Prolonged contact may cause irritation due to defatting of skin.
- Inhalation: High concentration of vapors may irritate nose and throat and cause headaches and nausea.
- Ingestion: Can cause irritation, gastric disturbances, and nausea.

**Medical Conditions Generally Aggravated by Exposure:**
MSDS No.: T1616
None Determined

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 give oxygen and get prompt medical attention. If breathing stops, give artificial respiration and get prompt medical attention.
- Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Other Health Warnings:
- Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

V. Fire Fighting Measures:

<table>
<thead>
<tr>
<th>Flash Point:</th>
<th>Lower Explosive Limit: 1.0%</th>
<th>Upper Explosive Limit: 16.0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; -30°F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

F.P. Method: TCC

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:
- Wear self-contained, positive pressure breathing apparatus and protective clothes. Cool containers exposed to heat with water fog.

Unusual Fire and Explosion:
- Use shield to protect from venting, rupturing, or bursting cans as containers can build up pressure. Vapors can travel to a source of ignition and flash black.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
- Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metalic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. 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.

VII. Handling and Storage:

Precautions to be Taken:
- Use with adequate ventilation. Do not take internally. Do not expose to heat, sunlight, or store at temperatures above 120 F. Do not puncture or incinerate container.

Other Precautions:
- Wash hands before contacting food. Use good hygiene practices.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:
- See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.
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**Personal Protective Equipment:**

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron.

### IX. Physical and Chemical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1):</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1):</td>
<td>1.01730</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.):</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1):</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Black wet film with solvent odor.</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1):</td>
<td>&gt; 1</td>
</tr>
</tbody>
</table>

### X. Stability and Reactivity:

Stability:

- Stable

**Incompatibility (Materials to Avoid):**

- Strong Acids, Alkalis, oxidizers, and amines.

**Decomposition/By Products:**

- Carbon Monoxide, Carbon Dioxide

**Hazardous Polymerization:**

- Will not occur

### XI. Toxicological Information:

No data available.

### XII. Ecological Information:

No data available

### XIII. Disposal Considerations:

**DISPOSAL:** This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

### XIV. Transport Information:

**DOT Hazard Class:** ORM-D  
**Shipping Name:** Consumer Commodity

### XV. Regulatory Information:
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MSDS No.: T1616
See Section 2 for SARA Reportable Chemicals.

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

<table>
<thead>
<tr>
<th>NJ RTK</th>
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<tbody>
<tr>
<td>VM&amp;P Naphtha   8032-32-4</td>
</tr>
<tr>
<td>Toluene         108-88-3</td>
</tr>
<tr>
<td>Methyl Acetate  79-20-9</td>
</tr>
</tbody>
</table>

XVI. Other Information:

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

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