

# MSDS - Material Safety Data Sheet

**Product Name:** TAR & BUG REMOVER (LOW VOC AEROSOL)

HEALTH; 2  
 FLAMMABILITY 2  
 REACTIVITY; 0

MSDS No.: TRI

**I Basic Information:**

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** P.O. BOX 159, 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: 02/21/2003

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

|   |                  |
|---|------------------|
| 2 | Health           |
| 2 | Flammability     |
| 0 | Reactivity       |
| B | Pers. Protection |

**II Ingredients:**

Trade Secret

| CAS No.     | Chemical Name            | % Range | EHS |  | IARC  |     | SARA |            | OSHA PEL | ACGIH TLV  | Other Limits |
|-------------|--------------------------|---------|-----|--|-------|-----|------|------------|----------|------------|--------------|
|             |                          |         | NTP |  | SUB Z | 313 |      |            |          |            |              |
| 124389      | Carbon dioxide           | 1-3     |     |  |       |     |      |            |          | 5000 ppm   |              |
| 9016459     | Ethoxylated Nonyl Phenol | 1-5     |     |  |       |     |      | N/D        |          | N/D        |              |
| 64742-53-6  | Naphthenic Petroleum Oil | 40-60   |     |  |       |     |      | 5 mg/M3 (m |          | 5 mg/M3 (m |              |
| 8008206     | Petroleum Base Oil       | 35-55   |     |  |       |     |      | 100 ppm    |          | 100 ppm    |              |
| Proprietary | Sodium sulfonate         | <1      |     |  |       |     |      | N/E        |          | N/E        |              |

**III Hazardous Identification:**

**Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

Danger: Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure.

Level 3 Aerosol

**IV. First Aid Measures:**

**Route(s) of Entry:**

Absorption, Inhalation, and Ingestion.

**Health Hazards (Acute and Chronic):**

**Signs and Symptoms:**

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.  
 Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.  
 Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis..  
 Ingestion: HARMFUL OR FATAL IF SWALLOWED.

**MSDS - Material Safety Data Sheet****Product Name: TAR & BUG REMOVER (LOW VOC AEROSOL)****MSDS No.: TR1****Medical Conditions Generally Aggravated by Exposure:****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.

Aspiration of vomitus into the lungs can cause pneumonitis, which can be fatal.

**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:****Flash Point:** 120°F**Lower Explosive Limit:** N/E**Upper Explosive Limit:** N/E**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 with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

**Unusual Fire and Explosion:**

Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back.

**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-metallic 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 and proper protective equipment.

Store in cool, well ventilated area below 120°F away from heat sources. Do not use near fire, sparks, or open flame. Exposure to temperatures above 120° may cause container to vent, rupture, or burst. Do not puncture or incinerate container.

**Other Precautions:**

Avoid contact with eyes. Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent over-exposure.

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**VIII. Exposure Controls/Personal Protection:****Ventilation Requirements:**

See Section 2 for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing vapors. In restricted areas, use respirator with approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.

**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:****Boiling Point:** 320°F**Melting Point:** N/D**Evaporation Rate (Butyl Acetate = 1):** N/D**Vapor Pressure (mm Hg.):** N/D**Specific Gravity (H<sub>2</sub>O = 1):** 0.82000**Vapor Density (AIR = 1):** N/D**Solubility In Water:** Emulsifies**Appearance and Odor:** Hazy Dark Yellow**Other Information:****X. Stability and Reactivity:****Stability:**

Stability

**Incompatibility (Materials to Avoid):**

Oxidizing agents, acids, alkalis, and high temperatures

**Decomposition/By Products:**

Normal products of combustion: carbon monoxide, carbon dioxide, and

acid smoke

**Hazardous Polymerization:**

Will not occur

**XI. Toxicological Information:**

N/D

**XII. Ecological Information:**

N/D

**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.

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

**XV. Regulatory Information:**

See Section 2 for SARA Reportable Chemicals.

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

**XVI. Other Information:**

Do not use 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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