

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 Gear
Information Telephone Number: 704-688-3430



2	Health
2	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 02/21/2003

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313	OSHA PEL	ACGIH TLV	Other Limits
			NTP	SUB Z						
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 (H₂O = 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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XIV. Transport Information:

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 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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