

MSDS - Material Safety Data Sheet**Product Name: COOLING SYSTEM STOP LEAK ALUMINIZED FORMULA (POWDER)**

MSDS No.: C501

I. Basic Information:**Manufacturer:** RADIATOR SPECIALTY COMPANY**Contact:** Robert Geer**Address:** 600 RADIATOR ROAD**Information Telephone Number:** 704-684-1811**City, ST Zip:** INDIAN TRAIL, NC 28079**Emergency Contact:** Rocky Mountain Poison Control Center**Country:****Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** COOLING SYSTEM STOP LEAK ALUMINIZED FORMULA (POWDER)**MSDS No.:** C501**Issue Date:** 03/13/2008**Supersedes Date:** 11/03/2003**II. Hazards Identification:****EMERGENCY OVERVIEW**

Eye Irritant

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

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

Inhalation, ingestion

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Contact: May cause eye irritation

Skin Contact: Prolonged contact with product may cause irritation due to defatting of skin.

Inhalation: High concentration of vapors may irritate nose and throat and cause headaches and nausea.

Ingestion: Call Poison Control Center, Physician, or Hospital Emergency Room Immediately.

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
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	4080-31-3	0.1 - 1.0	
Aluminum (fume or dust)	7429-90-5	1.0 - 5.0	
Aluminum oxide (fibrous forms)	1344-28-1	0.1 - 1.0	
Jjoba Meal	977011-04-3	60.0 - 100.0	
Soap Powder, Tallow	8052-48-0	7.0 - 13.0	

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IV. First Aid Measures:

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with water for 15 minutes while lifting upper and lower eyelid. Get prompt medical attention.

Skin Contact: Wash with soap and water. If irritation persists, get prompt medical attention.

Inhalation: Move to fresh air. If breathing becomes difficult, give oxygen and get prompt medical attention.

Ingestion: Drink water or milk. Do not induce vomiting. Call Poison Control Center, physician, or hospital emergency room immediately.

Note to Physicians:

N/E

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Water Fog, Foam, Carbon Dioxide, Dry Chemical

Unsuitable Extinguishing Media:

None

Products of Combustion:

Normal products of combustion; carbon monoxide, carbon dioxide, and smoke of sulfur

Protection of Firefighters:

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

VI. Accidental Release Measures:

Personal Precautions:

No Data

Environmental Precautions:

No Data

Methods for Containment:

Follow procedure listed under Methods for Cleanup.

Methods for Cleanup:

Sweep up contaminated material into an approved chemical waste container.

Other Information:

No Data

VII. Handling and Storage:

Handling Precautions:

Store in cool place away from oxidizers

Storage Precautions:

N/D

VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Jojoba Meal	Not Available	Not Available	Not Available
Aluminum oxide (fibrous forms)	Not Available	Not Available	Not Available
Aluminum (fume or dust)	5 mg/m3	5 mg/m3	Not Available
Soap Powder, Tallow	Not Available	Not Available	Not Available
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	Not Available	Not Available	Not Available

Engineering Controls:

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

For bulk handling use goggles, dust mask and gloves.

IX. Physical and Chemical Properties:

Boiling Point: N/A

Boiling Range: Not Available

Solubility In Water: Disperses

Flash Point: N/A

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): Not Available

Other Information: N/D

Melting Point: N/A

Freezing Point: Not Available

Evaporation Rate (Butyl Acetate = 1): N/A

Flash Point Method: N/A

Appearance and Odor: Silver colored de-dusted powder. Bland odor.

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:

Oxidizing agents.

Hazardous Decomposition Products:

Normal products of combustion; carbon monoxide, carbon dioxide, and smoke of sulfur oxides.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

No data available.

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XII. Ecological Information:

No data available

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. 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:

Shipping Name: Not Available

DOT Hazard Class: Not Available

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

DOT Shipping Name: Not DOT regulated.
DOT Hazard Class: None

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:

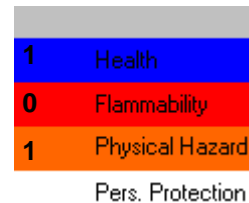
Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture
Hazard Category:
 Acute Chronic Fire
 Pressure Reactive



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:

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.