

MSDS - Material Safety Data Sheet**Product Name: LIQUID RADIATOR REPAIR**

MSDS No.: C312

I. Basic Information:**Manufacturer:** RADIATOR SPECIALTY COMPANY**Address:** 600 RADIATOR ROAD**City, ST Zip:** INDIAN TRAIL, NC 28079**Country:****Contact:** Robert Geer**Information Telephone Number:** 704-684--181 1**Emergency Contact:** Rocky Mountain Poison Control Center**Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** LIQUID RADIATOR REPAIR**MSDS No.:** C312**Issue Date:** 06/04/2008**Supersedes Date:** 01/28/2008**II. Hazards Identification:****EMERGENCY OVERVIEW**

Caution: Harmful if swallowed. Eye and Skin Irritant.

OSHA Regulatory Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

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

Absorption, inhalation and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Contact: Direct spray of vapors may be irritating or harmful to eyes.

Skin Contact: Product may cause irritation.

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:

None Known

Other Health Warnings:

None Known

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Borates, tetra, sodium salts - decahydrate	1303-96-4	5-10	

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

Note to Physicians:

N/E

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V. Fire Fighting Measures:**Suitable Extinguishing Media:**

Water Fog, Foam, Carbon Dioxide, Dry Chemical

Unsuitable Extinguishing Media:

None

Products of Combustion:

Oxides of Carbon, Nitrogen, and Sulfur

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:

Neutralize remaining traces of material and flush with water followed by liberal covering with sodium bicarbonate. All clean-up material should be removed and placed in approved containers for disposal. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

Other Information:

Use appropriate protective equipment.

VII. Handling and Storage:**Handling Precautions:**

Do not store near acids. For use with bulk material, use with adequate ventilation and proper protective equipment.

Storage Precautions:

Keep container closed tightly when not in use.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Borates, tetra, sodium salts - decahydrate	5 mg/m ³	5 mg/m ³	Not Available

Engineering Controls:

See above for any controls.

Personal Protective Equipment:

For prolonged exposure to the material, wear safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:**Boiling Point:** 212°F**Boiling Range:** Not Available**Solubility In Water:** Soluble**Flash Point:** None**Melting Point:** N/A**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** N/D**Flash Point Method:** N/A

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Odor Threshold: Not Available

Vapor Density (AIR = 1): N/D

pH Range: 8 - 9

Decomposition Temp: Not Available

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 1.10

Other Information: VOC Contents: 0%

Appearance and Odor: Greenish slurry with mild odor

Vapor Pressure (mm Hg.): N/D

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:

Avoid contact with acids.

Hazardous Decomposition Products:

Oxides of Carbon, Nitrogen, and Sulfur.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

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

UN/NA#: Not Available

DOT Subsidiary Hazard Class: Not Available

Packing Group: Not Available

Transportation Information:

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for international and air shipping purposes.

XV. Regulatory Information:

SARA Reportable Chemicals: None

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

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XVI. Other Information:

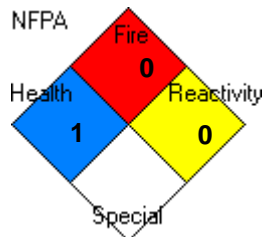
Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

Hazard Category:

Acute Chronic Fire

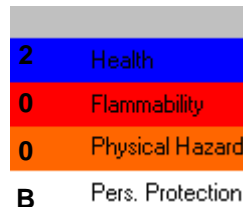
Pressure Reactive



Additional Manufacturer Warnings:

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.