

MSDS - Material Safety Data Sheet**Product Name: COOLANT SYSTEM OPTIMIZER**

MSDS No.: C1516

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 Poision Control Center**Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** COOLANT SYSTEM OPTIMIZER**MSDS No.:** C1516**Issue Date:** 07/10/2009**Supersedes Date:** 12/17/2007**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:**

Absorption, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eyes: may be irritating

Skin: may be irritating

Inhalation: Not a normal route of exposure

Ingestion: Harmful if swallowed. May cause nausea, diarrhea, vomiting, and can effect central nervous system.

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
Aqua	7732-18-5	40.0 - 70.0	
Corrosion Inhibitor	Proprietary	1.0 - 5.0	
Polyalkylene glycol monobutyl ether	9038-95-3	1.0 - 5.0	
Propylene glycol	57-55-6	15.0 - 40.0	

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 get prompt medical attention.

Ingestion: Drink water or milk. Call Poison Control Center, physician, or hospital emergency room immediately.

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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:

Carbon Dioxide and Carbon Monoxide

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:

Using a scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid to recover material.

Other Information:

Use appropriate protective equipment. Neutralize remaining traces of material and flush with water followed by liberal covering with sodium bicarbonate. I. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

VII. Handling and Storage:

Handling Precautions:

Store in a cool place away from oxidizing agents.

Storage Precautions:

Store away from oxidizing agents.
Do not store in open or unlabeled container.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Propylene glycol	N/E	N/E	Not Available
Polyalkylene glycol monobutyl ether	N/E	N/E	Not Available
Corrosion Inhibitor	N/E	N/E	Not Available
Aqua	N/E	N/E	Not Available

Engineering Controls:

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

Personal Protective Equipment:

Safety Glasses and rubber gloves.

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IX. Physical and Chemical Properties:

Boiling Point: 212°F

Boiling Range: Not Available

Solubility In Water: Soluble

Flash Point: N/A

Odor Threshold: Not Available

Vapor Density (AIR = 1): N/A

pH Range: 9.0

Decomposition Temp: Not Available

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 1.02

Other Information: VOC Content: 0%

Melting Point: N/A

Freezing Point: Not Available

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

Flash Point Method: N/A

Appearance and Odor: Fluorescent green, transparent liquid with mild 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:

Carbon Dioxide and Carbon Monoxide

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

N/E

XII. Ecological Information:

N/E

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

Transportation Information:

DOT Subsidiary Hazard Class: Not Available

Packing Group: Not Available

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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 313 Reportable Chemicals:
None

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

State RTK Chemicals:
None

XVI. Other Information:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

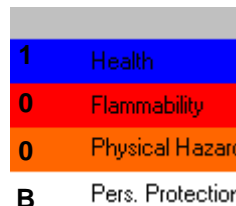
Hazard Category:
 Acute Chronic Fire Pressure Reactive



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.