

# MSDS - Material Safety Data Sheet

## Product Name: RADIATOR TEN MINUTE FLUSH

MSDS No.: C1412

**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

1	Health
0	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					
111762	2-Butoxyethanol	1-10					X		25 ppm	25 ppm	

**III. Hazardous Identification:**

**Hazard Category:**

Acute     Chronic     Fire     Pressure     Reactive

**Hazardous Identification Information:**

Caution: Harmful if swallowed. Eye and Skin irritant.

**IV. First Aid Measures:**

**Route(s) of Entry:**

Absorption, Eye, Inhalation, and Ingestion.

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

**Signs and Symptoms:**

Eye Contact: Eye irritant. Direct spray of vapors may be irritating or harmful to eyes.  
 Skin Contact: Skin irritant. 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: Can cause irritation, gastric disturbances, and nausea..

**Medical Conditions Generally Aggravated by Exposure:**

**Emergency and First Aid Procedures:**

# *MSDS - Material Safety Data Sheet*

## *Product Name: RADIATOR TEN MINUTE FLUSH*

### *MSDS No.: C1412*

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: Call Poison Control Center, physician, or hospital emergency room immediately.

### **Other Health Warnings:**

### ***V. Fire Fighting Measures:***

**Flash Point:** None

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

**F.P. Method:** N/A

**Fire Extinguishing Media:** Water Fog, Foam, Carbon Dioxide, Dry Chemical

### **Special Fire Fighting Procedures:**

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

### **Unusual Fire and Explosion:**

None Known

### ***VI. Accidental Release Measures:***

#### **Steps to be Taken in Case Material is Released or Spilled:**

Use appropriate protective equipment. Contain spill and then absorb spill with inert material or rags and scoop into a chemical waste container. All clean-up material should be removed and placed in approved containers for disposal.

### ***VII. Handling and Storage:***

#### **Precautions to be Taken:**

Use with adequate ventilation and proper protective equipment.

#### **Other Precautions:**

Keep container closed tightly when not in use. Store in a cool place away from acids and oxidizing agents.

### ***VIII. Exposure Controls/Personal Protection:***

#### **Ventilation Requirements:**

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

#### **Personal Protective Equipment:**

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

**MSDS - Material Safety Data Sheet****Product Name: RADIATOR TEN MINUTE FLUSH**

MSDS No.: C1412

**IX. Physical and Chemical Properties:**

Boiling Point: 212 F

Melting Point: N/A

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

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H<sub>2</sub>O = 1): 1.00000

Vapor Density (AIR = 1): N/D

Solubility In Water: Soluble

Appearance and Odor: Clear fluorescent yellow/green with characteristic odor

Other Information:

**X. Stability and Reactivity:**

Stability:

Stable

Incompatibility (Materials to Avoid):

Avoid oxidizing agents, and strong acids

Decomposition/By Products:

Nitrogen oxides and carbon dioxide

Hazardous Polymerization:

Will not occur

**XI. Toxicological Information:**

No data available.

**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:**

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:**

## ***MSDS - Material Safety Data Sheet***

***Product Name: RADIATOR TEN MINUTE FLUSH***

***MSDS No.: C1412***

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

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.