

**MSDS - Material Safety Data Sheet****Product Name: WINDSHIELD WASHER CONCENTRATE****MSDS No.: WWCZ-1G****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:** RMPDC (877-740-5015)**Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** WINDSHIELD WASHER CONCENTRATE**MSDS No.:** WWCZ-1G**Issue Date:** 06/05/2008**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

CAUTION: Eye 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, Eye, Inhalation, and Ingestion.

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

None Known

**Signs and Symptoms:**

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

Skin Contact: Prolonged contact 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:**

None Known

**Other Health Warnings:**

None

**Potential Environmental Effects**

Not Available

**III. Composition/Information on Ingredients:**

Chemical Name	CAS No.	% Range	Trade Secret
Ammonium hydroxide	1336-21-6	1.0 - 5.0	
Tripropylene Glycol Monomethyl Ether	25498-49-1	3.0 - 7.0	

**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.

**Note to Physicians:**

N./E

**MSDS - Material Safety Data Sheet****Product Name: WINDSHIELD WASHER CONCENTRATE****MSDS No.: WWCZ-1G****V. Fire Fighting Measures:****Suitable Extinguishing Media:**

Water Fog, Foam, Carbon Dioxide, Dry Chemical

**Unsuitable Extinguishing Media:**

None

**Products of Combustion:**

Carbon Monoxide, Carbon Dioxide

**Protection of Firefighters:**

Wear self-contained , positive pressure breathing apparatus and protective clothes. Cool containers exposed to heat with water fog.

**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 material to recover material. 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:**

Use with adequate ventilation. Do not take internally. Do not expose to heat or store at temperatures above 120 F.

**Storage Precautions:**

Avoid contact with strong oxidizing agents.

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

<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>
Ammonium hydroxide	25 ppm (TWA)	25 ppm	Not Available
Tripropylene Glycol Monomethyl Ether	N/E	N/E	Not Available

**Engineering Controls:**

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

**Personal Protective Equipment:**

For prolonged exposure wear protective safety glasses, gloves, and apron.

**IX. Physical and Chemical Properties:****Boiling Point:** 212 F**Boiling Range:** Not Available**Solubility In Water:** Soluble**Melting Point:** N/A**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** < 1

**MSDS - Material Safety Data Sheet****Product Name: WINDSHIELD WASHER CONCENTRATE****MSDS No.:** WWCZ-1G**Flash Point:** None**Flash Point Method:** TCC**Odor Threshold:** Not Available**Appearance and Odor:** Clear liquid with alcohol-ammonia odor.**Vapor Density (AIR = 1):** N/D**Vapor Pressure (mm Hg.):** N/D**pH Range:** 9.2 - 10.2**Partition Coefficient:** Not Available**Decomposition Temp:** Not Available**Auto-Ignition Temp:** Not Available**Lower Explosive Limit:** N/D**Upper Explosive Limit:** N/D**Specific Gravity (H2O = 1):** 0.99**Other Information:** VOC Content: 0%**X. Stability and Reactivity:****Stability:**

Stable

**Conditions to Avoid:**

See Incompatible Materials below

**Incompatible Materials:**

Avoid contact with strong oxidizing agents

**Hazardous Decomposition Products:**

Carbon Monoxide, Carbon Dioxide

**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**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:**SARA 313 Reportable Chemicals:  
Aqua Ammonia

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

# MSDS - Material Safety Data Sheet

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MSDS No.: WWCZ-1G

**XVI. Other Information:**

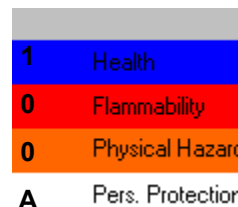
**Chemical State:**     Liquid     Gas     Solid  
**Chemical Type:**     Pure     Mixture  
**Hazard Category:**  
 Acute     Chronic     Fire  
 Pressure     Reactive



**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.