MSDS - Material Safety Data Sheet

Product Name: REM ALL IN® (4 FL.OZ.)

MSDS No.: 55684

I. Basic Information:

Manufacturer: RADIATOR SPECIALTY COMPANY
Address: 600 RADIATOR ROAD
City, ST Zip: INDIAN TRAIL, NC 28079
Country: USA

Contact: Robert Geer
Information Telephone Number: 704-684--181 1
Emergency Contact: RMPDC (877-740-5015)
Emergency Telephone Number: 303-623-5716
Emergency Restrictions:

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Issue Date: 04/17/2013
Supersedes Date: Not Available

II. Hazards Identification:

EMERGENCY OVERVIEW

CAUTION: Eye and Skin irritant.

OSHA Regulatory Status

This material is 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):

See Signs and Symptom below

Signs and Symptoms:

Eye Contact: Direct spray of vapors may be irritating or harmful to eyes.
Skin Contact: Product may cause irritation to 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:

Under normal use of this product, no adverse health effects are expected.

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Diethanolamine	111-42-2	1.0 - 5.0	
Morpholine	110-91-8	1.0 - 5.0	
Quartz dust	14808-60-7	1.0 - 5.0	
Triethanolamine	102-71-6	10.0 - 30.0	
Tripropylene Glycol Monomethyl Ether	25498-49-1	7.0 - 13.0	

IV. First Aid Measures:

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with water for 15 minutes while lifting upper and lower eyelid and 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/D

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

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. Run off to sewer may create fire or explosion hazard.

Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

Methods for Cleanup:

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

Other Information:

Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

VII. Handling and Storage:

Handling Precautions:

Use with adequate ventilation. Do not take internally. After use, wash hands with soap and water before handling food items.

Storage Precautions:

Keep container closed tightly when not in use. Do not store at temperatures above 120°F.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Triethanolamine	N/E	5 mg/m3	Not Available
Morpholine	20 PPM	20 PPM	Not Available
Quartz dust	0.1 mg/m3	0.05 mg/m3	Not Available
Tripropylene Glycol Monomethyl Ether	N/E	N/E	Not Available
Diethanolamine	N/D	N/D	N/D

Engineering Controls:

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

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Personal Protective Equipment:

For prolonged exposure to the material, wear face shield, gloves, and apron.

IX. Physical and Chemical Properties:

Boiling Point: 212°F

Boiling Range: N/D

Solubility In Water: Complete

Flash Point: > 200°F

Odor Threshold: N/D

Vapor Density (AIR = 1): N/D

pH Range: 9.5 - 10.0

Decomposition Temp: N/D

Lower Explosive Limit: N/D

Specific Gravity (H20 = 1): 1.17

Other Information: VOC Content: 1%

Melting Point: N/D

Freezing Point: N/D

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

Flash Point Method: TCC

Appearance and Odor: Opaque brown liquid with ether type odor

Vapor Pressure (mm Hg.): N/D

Partition Coefficient: N/D

Auto-Ignition Temp: N/D

Upper Explosive Limit: N/D

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

See Incompatible materials below.

Incompatible Materials:

Avoid contact with oxidizers, acids, alkalies, and metals.

Hazardous Decomposition Products:

Normal products of combustion.

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 empty container and discard in the trash. Do not dump into sewers, on the ground, or into any body of water. Dispose of unused product in accordance with all local, state government and federal laws and regulations

XIV. Transport Information:

Shipping Name: DOT (Ground): Not Regulated

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DOT Hazard Class: Not Regula

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

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

CAO/IATA (US): Not regulated

International:
ICAO/IATA: Not regulated
IMDG: Not regulated

XV. Regulatory Information:

SARA 313 Reportable Chemicals:
Diethanolamine 111-42-2

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

Warning: This product contains chemicals known to the State of California to cause cancer.

State RTK Chemicals:
Morpholine - 110-91-8
Triethanolamine - 102-71-6
Quartz Dust - 14808-60-7
Diethanolamine 111-42-2

XVI. Other Information:

Chemical State: [X] Liquid [ ] Gas [ ] Solid

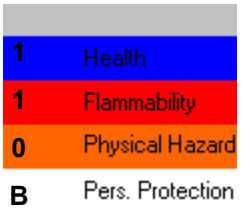
Chemical Type: [ ] Pure [X] Mixture

Hazard Category:

[X] 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:

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