

Material Safety Data Sheet RI-85

OSHA Hazard Communication Standard: 29 CFR 1910-1200 Standard must be consulted for Specific Requirements.

Note: Read Material Safety Sheets before using product.

1 PRODUCT INFORMATION

Identity: RI-85

Manufacturer's Name:

**ROAN Industries, Inc.
100 Chet Burleson Road
Bakersville, NC 28705**

Emergency Telephone Number: CHEMTREC (800) 424-9300

Telephone Number for Information: (828) 688-5888 or (610) 759-4234 or (800) 804-4806

Date Revised: August 4, 2011

2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Common Name/Chemical Identity:	OSHA PEL	ACGIH TLV	OTHER LIMITS
A variable blend of the following ingredients:			
Acetic Acid 64-19-7	10ppm TWA	10ppm TWA	15ppm STEL
Triethanolamine 102-71-6	N.I.F.	5mg/ m ³ TWA	N.I.F.
Diethanolamine 111-42-2	N.I.F.	2mg/ m ³ TWA	15mg/m ³ TWA ^(REL)
Highers from reaction of ethylene oxide and ammonia distillation residues 68953-70-8	N.I.F.	N.I.F.	N.I.F.
N,N,N'-tris (2-hydroxyethyl) Ethylenediamine 060487-26-5	N.I.F.	N.I.F.	N.I.F.
Acetic anhydride 108-24-7	5ppm	5ppm TWA	N.I.F.
Water 7732-18-5	N.I.F.	N.I.F.	N.I.F.
Acetone 67-64-1	1000ppm	500ppm TWA	750ppm STEL
Ethanolamine distillation residues 68953-70-8	N.I.F.	N.I.F.	N.I.F.

Section 313 Supplier Notification: This product can contain up to the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

<u>CAS#</u>	<u>Chemical Name</u>	<u>Max % by Weight</u>
111-42-2	Diethanolamine	5%

This information must be included in all MSDSs that are copied and distributed for this material.

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3 PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 100 - 335° F

Specific Gravity (H₂O=1): 1.11 - 1.16

Vapor Pressure: N.I.F.

Melting Point: N.A.

Vapor Density: N.I.F.

Evaporation Rate (Butyl Acetate=1): N.I.F

Solubility in Water: 100% Miscible

Appearance and Odor: Dark amber liquid with characteristic odor.

4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 160° C / 320° F COC **Flammable Limits: LEL:** N.I.F. **UEL:** N.I.F.

Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures:

Use positive pressure breathing apparatus.

Use complete protective clothing as needed.

Fight fire from upwind position if possible.

Unusual Fire and Explosion Hazards:

Will burn under right conditions of heat and oxygen supply.

Filled drums in the area of the fire should be kept cool with a water spray.

Some foaming can take place when fighting fire.

5 REACTIVITY DATA

Stability: Stable

Incompatibility: Strong oxidizers, acids, bases, nitrites, certain metals, and halogenated hydrocarbons.

Hazardous Decomposition or Byproducts: When burned, decomposition products of nitrogen, carbon dioxide, carbon monoxide.

Hazardous Polymerization: Under normal conditions, will not occur.

6 HEALTH HAZARD DATA

Route of Entry:

Eyes, Skin, Inhalation, Ingestion

Health Hazards:

Eyes: May cause severe irritation of eyes. May cause corneal injury.

Skin: Prolonged or repeated exposure may cause irritation, redness, swelling, or burn.

Inhalation: High concentrations can cause nose, throat and lung irritation.

Ingestion: Can be toxic and affect the kidneys, liver, heart, and nervous system.

Carcinogenicity: NTP? N.I.F.

IARC Monographs? N.I.F.

OSHA Regulated? N.I.F.

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6 HEALTH HAZARD DATA (continued)

Emergency and First Aid Procedures:

Eyes: Flush with plenty of water for at least 15 minutes, occasionally holding upper and lower eyelids open. Contact a physician.

Skin: Remove contaminated clothing and wash skin with soap and water for several minutes. Contact a physician if irritation develops or persists.

Inhalation: Move person into fresh air. Get medical attention.

Ingestion: Get medical attention. Do not induce vomiting.

In an emergency or if in doubt, contact a physician.

7 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken in Case Material is Released or Spilled:

Never take any action if it involves personal risk or without adequate training. Evacuate surrounding area. Ventilate area. Contain the spill. Wear personal protective clothing, equipment including appropriate respiratory protection. Avoid contact with skin, eyes and clothes. Avoid breathing vapors. Use non-combustible absorbent materials; place absorbed spill into labeled airtight drums for proper disposal. Keep spill out of drains, sewers and waterways.

Waste Disposal Method: Dispose all waste in accordance with Federal, State and Local regulations. Dispose of via a license waste disposal contractor.

Precautions To Be Taken in Handling and Storing:

Store in tightly closed containers in a cool area away from heat and flames.

Use with adequate ventilation and proper grounding of all transfer equipment.

Avoid breathing of vapors and mist.

Avoid contact with eyes, skin, or clothing.

Use proper personal protective equipment as needed.

Remove contaminated clothing. Launder before re-use.

Store away from incompatible materials.

8 CONTROL MEASURES

Ventilation

Local Exhaust: Use to maintain airborne concentrations below permissible levels.

Mechanical (General): Use in addition to local exhaust if required.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator that complies with an approved standard if a risk assessment necessitates one.

Protective Gloves: Use chemical resistant, impervious gloves complying with an approved standard if a risk assessment necessitates use.

Eye Protection: Use safety eyewear complying with an approved standard if a risk assessment necessitates use.

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8 CONTROL MEASURES (continued)

Other Protective Clothing or Equipment: Other protective clothing or equipment should be used according to an approved standard after a risk assessment has been performed.

Work/Hygienic Practices: Wash hands and face thoroughly after handling and before eating. Remove contaminated clothing and laundry before reuse.

Engineering Controls: Emergency shower and eyewash facility should be in close proximity.

9 TRANSPORTATION INFORMATION

Proper Shipping Name: N/A

UN/NA Number: N/A

Domestic Hazard Class: Non-hazardous

Surface Freight Classification: Liquid Cement Grinding Aid

Label/Placard Required: N/A

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