

Ransom & Randolph

1. Product and Company Name

<i>Product Name</i> Wet-It Wetting Agent	<i>MSDS Code Number</i> 261
<i>Trade Name & Synonyms</i>	<i>Date of Last Revision</i> 03/06
<i>Chemical Name</i> Ethoxylated Alcohol	<i>Manufacturer</i> Ransom & Randolph
<i>C.A.S. Number</i> 68439-46-3	<i>Address</i> 3535 Briarfield Blvd, Maumee, OH 43537
<i>Grades or Minor Variant Identities</i>	<i>Information Telephone Number</i> 419/865-9497 FAX 419/865-9997
<i>Product Use</i> A nonionic surfactant used in colloidal silica based slurries	<i>Emergency Telephone Number</i> 419/865-9497

2. Composition

<u>Hazardous Components</u>	<u>C.A.S. Number</u>	<u>%</u>
Ethoxylated Alcohol	68439-46-3	100

3. Hazardous Identification

Emergency Overview

This product may cause eye and skin irritation. Avoid contact with eyes and skin.

<i>Routes of Exposure</i>	<i>Signs & Symptoms</i>	<i>Single, Repeated, or Lifetime Exposure</i>	<i>Severity (Mild, Moderate, Severe)</i>	<i>Acute and Chronic Health Effect(s)</i>	<i>Target Organ(s)</i>
<i>Eye</i>				Irritation	
<i>Skin</i>		Irritation			
<i>Inhalation</i>	In high concentrations, vapors may be irritating.				
<i>Ingestion</i>	Nausea				
<i>Other</i>					

Medical Conditions Aggravated by Exposure

May cause eye and skin irritation.

Carcinogenicity (IARC, NTP)

Not listed by IARC, NTP, OSHA, ACGIH

Potential Environmental Effects

Readily Biodegradable

4. First Aid Measures

<i>Routes of Exposure</i>	<i>First Aid Instructions</i>	<i>Immediate Medical Attention</i>	<i>Delayed Effects</i>
<i>Eye</i>	Flush with water for 15 minutes. Seek necessary medical aid.		

<i>Skin</i>	Remove contaminated clothing. Wash thoroughly with soap and water.		
<i>Inhalation</i>	Remove to fresh air. Insure breathing, seek necessary medical aid		
<i>Ingestion</i>		Get medical aid immediately.	
<i>Other</i>			
<i>Note to Physicians (Treatment, Testing, and Monitoring)</i>			
5. Fire-fighting Measures			
<i>Flashpoint: (Method)</i> >212F/100C (C.O.C.)	<i>Flammable (Explosive) Limits in Air</i> LEL: ND UEL: ND		<i>Autoignition Temperature:</i> 150C/302F
<i>Flame Propagation or Burning Rate (for solids):</i>	<i>Properties Contributing to Fire Intensity</i>	<i>Flammability Classification NFDA Rating:</i> 0	
<i>Extinguishing Media</i> Carbon dioxide, foam, dry chemicals		<i>Extinguishing Media to Avoid</i>	
<i>Protection and Procedures for Firefighters:</i> Do not breathe fumes. Use NIOSH approved respirator and protective clothing. Avoid eye and skin contact.			
<i>Unusual Fire and Explosion Hazards:</i>			
6. Accidental Release Measures			
<i>Containment Techniques</i>			
<i>Spill/Leak Clean-Up Procedures and Equipment</i> Soak up with absorbent materials and remove to container for disposal. Wash area thoroughly with soap and water.			
<i>Evacuation Procedures</i>			
<i>Special Instructions</i>			
<i>Reporting Requirements</i>			
7. Handling and Storage			
<i>Handling Practices and Warnings</i> No special handling requirements.			
<i>Storage Practices and Warnings</i> No special storage requirements.			

8. Exposure Controls/Personal Protection			
<i>Ventilation</i> Local exhaust	<i>Other Engineering Controls</i> General ventilation not required but recommended.		
<i>Routes of Entry:</i>	<i>Personal Protective Equipment (PPE) for Normal Use:</i>	<i>PPE for Emergencies:</i>	
<i>Eye/Face</i>	Safety glasses		
<i>Skin</i>	Gloves		
<i>Inhalation</i>	Normally not necessary	Self contained breathing apparatus recommended in very high concentrations.	
<i>General Hygiene Considerations and Work Practices</i>			
<i>Other Protective Measures and Equipment</i> Eyewash and safety shower.			
9. Physical and Chemical Properties			
<i>Appearance</i> Clear/translucent liquid			<i>Odor</i>
<i>Normal Physical State:</i> Liquid X Gas Solid		<i>Boiling Point</i> <i>Melting Point</i> <i>Freezing Point</i>	ND NA
<i>Specific Gravity or Density (H₂O=1)</i> 0.96 gm/ml @ 20°C	<i>Solubility in Water</i> Emulsifiable		<i>pH</i> 5 – 8 (1% in D.W.)
<i>Vapor Pressure (mm Hg.)</i>	<i>Vapor Density (AIR = 1)</i> ND		<i>Evaporation Rate (Butyl Acetate=1)</i>
<i>Other</i>			
10. Stability and Reactivity			
<i>Incompatibility (Materials to Avoid)</i> Strong oxidizers			
<i>Hazardous Products Produced During Decomposition</i> CO _x (thermal)			
<i>Hazardous Polymerization?</i>	<i>May Occur</i>	<i>May Not Occur</i> Y	<i>Conditions to Avoid</i> None
<i>Stability?</i>	<i>Stable</i> Y	<i>Unstable</i>	<i>Conditions to Avoid</i> None
11. Toxicological Information			
<i>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data</i>			

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

13. Disposal Considerations

Regulations

Dispose of in accordance with local, state and federal EPA regulations

Properties (Physical/Chemical) Affecting Disposal

14. Transport Information

Regulated for shipping?

Yes No X

Proper Shipping Name

N/A

Packing Group

N/A

Do changes in quality, packaging, or shipment method change product classification?

Yes No X

Hazard Class

N/A

Identification Number

N/A

Other

15. Regulator Information

Federal Regulations

Not controlled under the HSC. Not reportable SARA 313 Form R

International Regulations

Other

Not controlled under California Prop 65

16. Other Information

HMIS – Health 2 – Fire 1 – Reactivity 0

The information set forth herein has been gathered from standard reference materials and/or Ransom & Randolph Company test data and is, to the best knowledge and belief of Ransom & Randolph Company accurate and reliable. Such information is offered solely for your consideration, investigation and verification and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. Ransom & Randolph Company makes no warranties, express or implied, with respect to the use of such information or the use of the specific material identities here in combination with any other material or process, and assumes no responsibility therefore.