

Ransom & Randolph

1. Product and Company Name

<i>Product Name</i> DCH-10	<i>MSDS Code Number</i> 013
<i>Trade Name & Synonyms</i>	<i>Date of Last Revision</i> 06/23/03
<i>Chemical Name</i> Silicone emulsion	<i>Manufacturer</i> Ransom & Randolph
<i>C.A.S. Number</i>	<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> Reduce air entrapment 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>
No Hazardous Ingredients		

3. Hazardous IdentificationEmergency Overview

This is not a hazardous material as defined in the OSHA Hazard Communication Standard 29 CFR 1910.1200. Not hazardous according to Council Directive 88/379/EEC and its subsequent amendments.

<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>					
<i>Skin</i>					
<i>Inhalation</i>					
<i>Ingestion</i>					
<i>Other</i>					

Medical Conditions Aggravated by Exposure

None known

Carcinogenicity (IARC, NTP)

Not listed in IARC, NTP

Potential Environmental Effects

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 flowing water at least 15 minutes.		
<i>Skin</i>	No first aid should be necessary.		
<i>Inhalation</i>	No first aid should be necessary.		
<i>Ingestion</i>	No first air should be necessary.		
<i>Other</i>			

Note to Physicians (Treatment, Testing, and Monitoring)

Test symptomatically.

5. Fire-fighting Measures

<i>Flashpoint: (Method)</i> >213.8F (closed cup)	<i>Flammable (Explosive) Limits in Air</i> <i>LEL:</i> N/A <i>UEL:</i> N/A		<i>Autoignition Temperature:</i> N/D	<i>Other</i>
<i>Flame Propagation or Burning Rate (for solids):</i>	<i>Properties Contributing to Fire Intensity</i>	<i>Flammability Classification NFPA Profile:</i> 1		
<i>Extinguishing Media</i> Carbon dioxide, foam, dry powder, fire water spray		<i>Extinguishing Media to Avoid</i> None known.		

Protection and Procedures for Firefighters:

Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals.

Unusual Fire and Explosion Hazards:

None

6. Accidental Release Measures

Containment Techniques

Provide dike or other appropriate containment and keep material from spreading.

Spill/Leak Clean-Up Procedures and Equipment

Use absorbent material to collect and contain for salvage and disposal.

Evacuation Procedures

Determine the need to evacuate or isolate the area according to your local emergency plan.

Special Instructions

The spilled product procedures on extremely slippery surface.

Reporting Requirements

7. Handling and Storage

Handling Practices and Warnings

Avoid eye contact. General ventilation is recommended.

Storage Practices and Warnings

Do not store with oxidizing agents. Keep from freezing.

8. Exposure Controls/Personal Protection			
<i>Ventilation</i> General ventilation is recommended.	<i>Other Engineering Controls</i>		
<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 as a minimum.		
<i>Skin</i>	Protective.		
<i>Inhalation</i>	Respiratory protection is not normally required.		
<i>General Hygiene Considerations and Work Practices</i> Wash after handling, especially before eating, drinking or smoking.			
<i>Other Protective Measures and Equipment</i>			
9. Physical and Chemical Properties			
<i>Appearance</i>	White	<i>Odor</i>	N/A
<i>Normal Physical State:</i>		<i>Boiling Point</i>	>35C/95F
X <i>Liquid</i>	<i>Gas</i>	<i>Melting Point</i>	N/A
<i>Solid</i>		<i>Freezing Point</i>	N/A
<i>Specific Gravity or Density (H₂O=1)</i> 1	<i>Solubility in Water</i> Not determined	<i>pH</i> Not determined	
<i>Vapor Pressure (mm Hg.)</i> Not determined	<i>Vapor Density (AIR = 1)</i> Not Determined	<i>Evaporation Rate (Butyl Acetate=1)</i>	
<i>Other</i> Viscosity: 500 cSt @ 25°C			
10. Stability and Reactivity			
<i>Incompatibility (Materials to Avoid)</i> Oxidizers			
<i>Hazardous Products Produced During Decomposition</i> Silicon dioxide, carbon dioxide and traces of incompletely burned carbon products.			
<i>Hazardous Polymerization?</i>	<i>May Occur</i>	<i>May Not Occur</i> X	<i>Conditions to Avoid</i> None
<i>Stability?</i>	<i>Stable</i> X	<i>Unstable</i>	<i>Conditions to Avoid</i> Oxidizers
11. Toxicological Information			

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data

No known applicable information.

12. Ecological Information

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

Siloxanes are removed from water by sedimentation or binding to sewage sludge.

This product is not expected to present an environmental hazard.

13. Disposal Considerations

Regulations

All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedures.

Properties (Physical/Chemical) Affecting Disposal

14. Transport Information

Regulated for shipping?

Yes No

Proper Shipping Name

Compounds defoaming NOI

Packing Group

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

Yes No

Hazard Class

None

Identification Number

Other

15. Regulator Information

Federal Regulations

EPA SARA III Chemical Listings:

Section 302 Extremely Hazardous Substances: None

Section 304 CERCLA Hazardous Substances: None

Section 312 Hazard Class: None

International Regulations

Other

16. Other Information

NFPA Hazard Rating	Health: 1	Flammability: 1	Reactivity: 0
HMIS Hazard Rating	Health: 1	Flammability: 1	Reactivity: 0

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