



MATERIAL SAFETY DATA SHEET

LRMUD-7
8 June 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: LRMUD-7

Supplier: Rantec Corporation
Highway 14, PO Box 729
Ranchester, WY 82839

Current Revision Date: 8 June 2010

Emergency Telephone Number: 307-655-9565

2. COMPOSITION INFORMATION ON INGREDIENTS

Chemical Family: Anionic acrylamide copolymer emulsion in hydrocarbon oil.

Hazardous Components:

Hazardous characteristics (irritation) were observed only in product when tested as a mixture, not in individual components. (See Section I 1 for hazardous characteristics.)

3. HAZARDOUS IDENTIFICATION

Irritating to eyes and skin.

Spills produce extremely slippery surfaces.

HMIS & NFPA Ratings:

	HMIS	NFPA
Health:	1	1
Flammability:	1	1
Reactivity:	0	0
Special:	To be determined by user.	

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Consult a physician in case of irritation or other symptoms.

Skin Contact: Wash off immediately with soap and plenty of water. In case of skin irritation, consult a physician.

Eye Contact: Rinse with plenty of water, If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. Consult a physician if discomfort or other symptoms develop.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water, water spray, foam, dry powder, carbon dioxide (CO2)



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Special Fire-Fighting Precautions: Spills produce extremely slippery surfaces.

Special Protective Equipment for Firefighters: No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required.

Environmental Precautions: Avoid contaminating water.

Methods for Cleaning Up: Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: For good industrial hygiene, avoid contact with skin and eyes, avoid forming dust/mist. Wash hands before breaks and at the end of workday. Do not smoke while using product.

Storage: Keep in a dry, cool place (0 - 30°C). Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS PERSONAL PROTECTION

Occupational Exposure Limits: Recommended PEL for solvent-. 1 00 ppm (in air).

Engineering Measures to Reduce Exposure: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal Protection Equipment

- Respiratory Protection: In case of insufficient ventilation and/or misty conditions, wear NIOSH approved organic filter respirator
- Hand Protection: Gloves are recommended.
- Eye Protection: Safety glasses with side shields. Do not wear contact lenses.
- Skin and Body Protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene Measures: Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Color:	Milky
Odor:	Aliphatic
pH:	6 - 8 @ 5 g/i

for product series. See Technical Bulletin for specific value.

Melting Point (°C):	Not applicable
Flash Point (OC):	>212°F (100°C)
Autoignition Point (OC):	>392°F (200°C)
Vapor Pressure (mm Hg):	0.002 @ 68-F (20°C)
Bulk Density:	See Technical Bulletin
Water Solubility:	See Technical Bulletin
Viscosity (mPa s):	See Technical Bulletin

10. STABILITY AND REACTIVITY

Stability: Product is stable, no hazardous polymerization will occur.

Materials to Avoid: Oxidizing agents may cause exothermic reactions.

Hazardous Decomposition Products: Thermal decomposition may produce: carbon oxides and nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

The product has very low acute toxicity.

Acute toxicity:

- Oral: LD50 oral/rat > 5000 mg/kg
- Dermal: The product is not toxic in contact with the skin.
- Inhalation: The product is not expected to be toxic by inhalation.

Irritation:

- Skin: The results obtained using OECD test 404 demonstrated that the product was irritating to the skin.
- Eyes: Irritating to the eyes.

Sensitization: The product is not expected to be sensitizing.

Chronic Toxicity: Prolonged skin contact may defat the skin and produce dermatitis.



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12. ECOLOGICAL INFORMATION

Ecotoxicity

The product has very low toxicity to aquatic organisms and is not harmful to the aquatic environment. However, as with all chemical products, do not introduce directly into the environment.

- Fish: LC50/Fathead minnows/96 hours > 1000 mg/l
 - Algae: EC50/ 72h Phaeodactylum tricournumtum > 1 000 mg/l
 - Daphnia: LC50 / 48h Chaetogrammus marinus > 15 mg/l
- Bioaccumulation: The product is not expected to bioaccumulate.
- Persistence / Degradability: Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Burn in adequate incinerator or bury in landfill in accordance with all applicable regulations.

Contaminated Packaging: Any disposal practice must be in compliance with all applicable regulations.

14. TRANSPORT INFORMATION

Not regulated by the Department of Transportation

15. REGULATORY INFORMATION

All components of this product are on TSCA and DSL inventories.

RCRA status: Not a hazardous waste.

Hazardous Waste Number: Not Applicable.

Reportable Quantity (40 CFR 302): Not applicable.

Threshold Planning Quantity (40 CFR 355): Not applicable.

Toxic Chemical Release Reporting (40 CFR 372): Not applicable.



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16. OTHER INFORMATION

Person to Contact: Lloyd Marsden

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.