



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: **RMUD-7**

MANUFACTURER'S NAME:

RANTEC CORPORATION

PO BOX 729

RANCHESTER, WY 82839

EMERGENCY PHONE: 1-307-655-9565

DATE PREPARED: 29 September 2003

DATE REVISED: 8 June 2010

PREPARED BY: Lloyd Marsden, Plant Manager

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family: Anionic acrylamide copolymer powder.

Not considered hazardous under Federal Regulation 29 CFR 1910.1200.

3. HAZARDOUS IDENTIFICATION

Irritating to eyes and skin.

Spills produce extremely slippery surfaces.

HMIS & NFPA Ratings:

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

4. FIRST AID MEASURES

Inhalation: Move to fresh air if subject is overcome by excessive dust. Consult a physician in case of irritation or other symptoms.

Skin Contact: Wash with water and soap as a precaution. In case of skin irritation, consult a physician.

Eye Contact: Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician.

Ingestion: No hazards which require special first aid measures.

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5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media: Water, water spray, foam, dry powder, carbon dioxide (CO₂).
- Special Fire-Fighting Precautions: Aqueous solutions or powders that become wet render -surfaces extremely slippery.
- 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. 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.
- Storage: Keep in a dry, cool place (0- 35°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational Exposure Limits: Nuisance dust: 15 mg/m³
- Engineering Measures to Reduce: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Exposure:

Personal Protection Equipment

- Respiratory Protection: Dust safety masks are recommended where concentration of total dust is more than 15 mg/m³.
- 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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Granular solid

Color: White

Odor: None

pH: 4- 9 @ 5 g/l
for product series. See Technical Bulletin for specific value.

Melting Point (OC): Not applicable

Flash Point (OC): Not applicable

Autoignition Point (OC): Not applicable

Vapor Pressure (mm Hg): Not applicable

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 (NOx).

11. TOXICOLOGICAL INFORMATION

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Acute toxicity:

- Oral: LD50/oral/rat > 5000 mg/kg
 - Dermal: The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
 - Inhalation: The product is not expected to be toxic by inhalation. Irritation
 - Skin: The results of testing on rabbits showed this material to be non-irritating to the skin.
 - Eyes: Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.
- Sensitization: The results of testing on guinea pigs showed this material to be non-sensitizing.
- Chronic Toxicity: A two-year feeding study on rats did not reveal adverse health effects. A one-year feeding study on dogs did not reveal adverse health effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not considered toxic to aquatic organisms or 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 / Selenastrum capricornutum/72 hours > 500 mg/l
- Bioaccumulation: The product is not expected to bioaccumulate.
- Persistence / Degradability: Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

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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

The product is not considered hazardous under Federal Regulation 29 CFR 1910.1200.

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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