



Rantec Corporation

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME:

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DATE PREPARED: 2 November, 2007

PREPARED BY:

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SECTION I - Identification

Product name: Rantec RX Drilling Starch

Chemical name: Proprietary

Chemical family: Carbohydrate/Polysaccharide

Formula: Proprietary, starch family.

DOT hazard class: None **DOT proper shipping name:** Non-Regulated

SECTION II - Hazardous Ingredients

Rantec RX Drilling Starch contains no hazardous ingredients.

SECTION III - Physical Data

Boiling Point:	Solid, n/a
Vapor Pressure:	Solid, n/a
Vapor Density:	Solid, n/a
Evaporation Rate:	Solid, n/a
Solubility in Water:	Complete
Appearance and Odor:	Yellow/White to Cream colored powder
Specific Gravity:	Density ~ 40 lb/cf
Melting Point:	Decomposes

SECTION IV - Fire and Explosion Hazard Data

Flash Point: N/A

Flammable or Explosion Limits: UEL: Not Determined LEL: Approx. 0.04 oz/cf. Similar to Flour and grain Dusts.

Extinguishing Media: CO₂, dry chemical, foam, water fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus to avoid smoke.

Unusual Fire and Explosion Hazards: Powder has the potential to form explosive mixture with air. Avoid creating dust. Keep away from heat, open flame and sparks. Use spark-proof motors, ventilate to control dust and use other preventive measures as with all dusty materials. Powder becomes very slippery when wet. Application of water to material may produce slipping hazards.

SECTION V: Reactivity Data

Stability:	Stable
Conditions to Avoid:	Ignition sources, air suspended dust, water contact.
Incompatibility:	Strong oxidizers
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur

SECTION VI: Health Hazard Data

OSHA Permissible Exposure Limit:	None established
ACGIH T.L.V.:	None established
Signs and Symptoms of Overexposure:	Acute: None established Chronic: None established
Medical Conditions Generally Aggravated by Exposure:	None established. However, like any dust, RX2000 Binder may produce respiratory irritation and/or allergic response in some individuals.
Carcinogenicity:	Not established as a carcinogen.
Primary Route(s) of Exposure and Emergency/First Aid Procedures:	Eyes: May be irritating. Remove excess material from around eyes. Irrigate eyes with water. Consult physician if irritation persists. Inhalation: May produce respiratory irritation and/or allergic response in some individuals. Move to fresh air. Consult physician if irritation or allergic reaction occurs. Skin: May cause dryness. Wash skin with soap and water. Use a suitable skin lotion.

SECTION VII - Special Precautions and Spill Procedures

Handling and Storage:	Store in a dry, cool place. Rantec RX Drilling Starch is stable in the dry form. Protect from moisture, excessive heat and damage by rodents. Keep containers closed to avoid moisture pickup. Properly cover and retest after extended storage to assure quality prior to use.
Material Spills:	Rantec RX Drilling Starch becomes very slippery when wet. Sweep up dry and containerize. Reuse if suitable or dispose. Mop area with hot water to remove final traces. Test area and repeat if necessary.
Waste Disposal:	Rantec RX Drilling Starch is not hazardous waste. Dispose in an approved landfill in accordance with local regulations. Do not dump down sewers or drains as this may cause blockage.

SECTION VII- Special Protection Information for Safe Handling

Respiratory Protection:	Provide individuals with approved dust masks or respirators that are capable of removing aerosol dust.
Ventilation:	Provide dust control measures to remove or recover airborne dust. Use spark-proof equipment.
Protective Gloves:	Rubber, plastic, leather.
Eye Protection:	Safety glasses.
Notice:	Information contained in this literature is given in good faith, and no

warranty, express or implied, is made. Contact manufacturer listed for more information.