



Date:

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Apafeed petrochemical trading LLC

NISOC SPECIFICATION
DRILLING FLUIDS PRODUCT DATA

STARCH (WHEAT)

Product Description:

Starch with general formulation, $(C_6H_{10}O_5)_n$ is a poly saccharide and produced commercially from corn, wheat, potato and other sources. Pre-gelatinized wheat starch is a medium viscosity fluid loss reducing agent. It is soluble in water.

Application:

- Fluid loss control.
- Suspension agent.
- Viscosifier .

Typical Physical Properties :

<i>Properties of 14 lb/bbl concentration wheat starch</i>	<i>Result after rolling at 200 °F for 4 hours with fresh water</i>	<i>Result after adding 15% formation water and rolling at 200 °F for 4 hours</i>
Mud weight PCF	150	150
Apparent Viscosity cPs	75 ± 5	65 ± 5
Plastic Viscosity cPs	65 ± 5	65 ± 5
Yield point lb/100 ft ²	30 ± 5	25 ± 5
Gel Strength	10 sec.	9 ± 2
	10 min.	12 ± 2
API Water loss ml	1.2 – 0.2	1.6 – 0.2
pH	7 ± 0.5	7 ± 0.5
Sedimentation	Nil	Nil

Starch (wheat) Continue :

Recommended Treatment:

Add 5-10 lb/bbl.

Source :

KPA

Packaging :

25 kg multi ply Kraft bags with PE liner. Palletized and shrink-wrapped.
Marked on : *Name of Manufacturer, Batch No. and Production date.*

Safety Handling:

- Non - toxic.
- It is recommended to use dust mask.
- Keep in dry, sheltered and shady place.

