

QSTAR ENV

Description

QSTAR ENV is a carboxymethyl starch manufactured as a filtration control agent for water based drilling and completion fluid applications. QSTAR ENV provides excellent compatibility in a wide range of saline environments.

QSTAR ENV meets API specifications according to Spec 13A.. QSTAR ENV is non-toxic and bio-degradable making it a suitable product for environmentally sensitive areas.

Applications

QSTAR ENV is an effective Fluid Loss control agent in water-based drilling fluids up to a temperature of 275°F. Due to QSTAR ENV being a starch it is more effective than other fluid loss reducing agents in Calcium environments. Due to this feature it is a preferred product for Gyp or Lime Fluid systems.

It can easily be cleaned up, making it suitable for completion and reservoir drilling fluids.

Features and Benefits

- Salt tolerant
- Minimal viscosity increase
- Preferred in Gyp or Lime mud
- Effective up to 275°F (135°C)
- Environmentally acceptable
- Easy Clean-up by breakers

Typical Properties

Appearance	Powder
Color	Off White
Temp. stability	Up to 135°C
Moisture	13% Max
pH	10 – 11 (2% sol.)

Recommended Treatment

Additions of 2.0 – 7.0 ppb (5.5 – 20.0 kg/m³) are recommended to be added through the hopper. These recommended concentrations will vary depending on the solids content of the mud, temperature and the formation being penetrated.

Similarly to other starches it is prone to bacterial and thermal degradation and must be treated with biocides and oxygen scavengers.

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

QSTAR ENV is available in 50 lb (22.7 kg) bags.

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