

TECHNICAL DATA SHEET

ELEMENTIS

BENAQUA® 1155

Travertine & Hectorite blend

GENERAL INFORMATION

BENAQUA® 1155 is a natural mineral blend of travertine and hectorite for use in water-based drilling fluids and cement as rheology building weighting agent. **BENAQUA® 1155** has temperature stability >350 °F. The travertine portion of the blend is 99.9% acid soluble.

CHEMICAL & PHYSICAL PROPERTIES

Composition	85-90% Travertine 10-15% hectorite
Appearance	White to off-white. Soft and finely divided powder
Sieve	+ 100 mesh 70-80% / + 200 mesh 8-20%

These are typical properties not to be used for specification purposes.

APPLICATIONS

Admixture for water-based cement and drilling fluids

KEY PROPERTIES

- FHHP rheology in aqueous gel drilling fluids.
- Provide non-Newtonian aqueous rheology
- Used as a weighting agent in aqueous fluids
- Travertine portion is 99.9% acid soluble
- Mitigate sag by controlling settling
- Provides built in rheology for weighting additives

continued...

BENAQUA® 1155

INCORPORATION

BENAQUA® 1155 disperses readily in aqueous systems. As with other additives, good agitation should be used when incorporating **BENAQUA® 1155** into the drilling system. The amount of stirring needed will depend on the temperature of the fluid with the rate of suspension control development increasing with increasing temperature, as well as with the level of shear available.

LEVELS OF USE

The level of **BENAQUA® 1155** use depends on the weight of the fluid that needs to be formulated.

HEALTH & SAFETY

Use proper personal protective equipment when handling.

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

SHELF LIFE

BENAQUA® 1101 has a shelf life of 4 (four) from date of manufacture, when stored in a cool dry place.

STORAGE RECOMMENDATIONS

Store in a dry place. **BENAQUA® 1155** will absorb moisture if stored under high humidity conditions.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

© Copyright 2025, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

© Registered trademark of Elementis Specialties, Inc.

North America

Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
T: +1 609 443 2500

Europe

Elementis Portugal Lda.,
Rua Santos Pousada, no.262,
4000-478, Porto
Portugal

Asia

Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
T: +86 21 5774 0348