

## BENTONE® DE

### Rheological Additive for Waterborne Systems

#### GENERAL INFORMATION

**BENTONE DE** additive is a highly beneficiated, hyperdispersible powdered hectorite clay.

#### CHEMICAL & PHYSICAL PROPERTIES

Composition	highly beneficiated smectite clay
Color / Form	milky-white, soft powder
Density	2.5 g/cm <sup>3</sup>
Particle Size	min 94 % thru 200 mesh

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

#### APPLICATIONS

- Architectural (Deco) Latex Paints
- Inks
- Maintenance coatings

#### KEY PROPERTIES

- High concentration pregels simplify paint manufacture
- Pourable, easily handled pregels at up to 14 % concentration in water
- Low dispersion energy for complete activation
- Diminished post thickening
- Excellent pigment suspension
- Excellent sprayability
- Superior syneresis control
- Good spatter resistance

#### INCORPORATION

**BENTONE DE** additive is best used as a pregel.

##### **BENTONE DE** Pregels

A key advantage of **BENTONE DE** is the ability to make relatively high concentration pregels quickly and easily – up to 14 % **BENTONE DE** – and still result in a pourable pregel.

To make a pourable pregel, use this procedure:

Add in the order listed: Parts by Wt.

1. Water \_\_\_\_\_ 86

Turn on HSD and set to approx. 10-12 m/s on a high speed dispenser

2. Slowly add **BENTONE DE** \_\_\_\_\_ 14

Store finished pregel in an airtight container

#### LEVELS OF USE

Typical addition levels are 0.1-1.0 % **BENTONE DE** additive by weight of total formulation, depending upon the degree of suspension, the rheological properties or viscosity required.

#### HEALTH AND SAFETY

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.

#### STORAGE RECOMMENDATIONS

Store in a dry place. **BENTONE DE** additive will absorb moisture in high humidity conditions.

#### SHELF LIFE

**BENTONE DE** has a shelf life of 4 (four) years from date of manufacture.

#### QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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