

## Rheological Additive for Waterborne Systems

### GENERAL INFORMATION

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

### 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

### APPLICATIONS

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

### KEY PROPERTIES

BENTONE® DE rheological additive

- 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.<br>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.

### HANDLING AND SAFETY

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

### STORAGE RECOMMENDATIONS

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

*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.*

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## **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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### **Elementis Specialties**

#### **Asia Head Office China**

**Deuchem (Shanghai) Chemical Co., Ltd.**  
99, Liyang Road,  
Songjiang Industrial Zone,  
Shanghai, China 201613  
Tel.: +86 21 57740348  
Fax.: +86 21 57743563

#### **Taiwan**

**Deuchem Co., Ltd.**  
92, Kuang-Fu North Road,  
Hsinchu Industrial Park,  
Hukou, Hsinchu, Taiwan  
Tel.: +886 3 5984035  
Fax.: +886 3 5983301

#### **Malaysia**

**Elementis S.E.A. (Malaysia) Sdn. Bhd.**  
**(1095769-X)**  
62-1, Jalan Tasik Utama 5,  
Medan Niaga Tasik Damai,  
Sungai Besi, 57000 Kuala Lumpur,  
Wilayah Persekutuan, Malaysia  
Tel.: +603-9054 6690  
Fax.: +603-9054 6698

#### **India**

**Elementis Specialties (India) Pvt. Ltd.**  
Unit B, Ground Floor,  
Jaswanti Landmark,  
Mehra Industrial Estate,  
L.B.S Marg, Vikhroli (West),  
Mumbai 400 079, India  
Tel: + 91 22 67421251  
Fax: + 91 22 67421252