

# BENTONE GEL<sup>®</sup> 1

## Rheological Additive for Solvent-based Coatings

### GENERAL INFORMATION

**BENTONE GEL 1** is a predispersed BENTONE 34 gel rheological additive for aliphatic solvent-based systems. It is more effective than a simple BENTONE pregel, as BENTONE GEL 1 provides immediate full thixotropic effect with no afterbodying or viscosity drift on aging.

### CHEMICAL & PHYSICAL PROPERTIES

Composition	BENTONE 34 in a blend of n-butanol, denatured alcohol, and mineral spirits
Color/ Form	Biege / Very soft gel
Total Solids	31.5%
Density	0.892 g/cm <sup>3</sup>
Flash Point	93 °F / 34 °C

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

### APPLICATIONS

- Aliphatic solvent-based systems
- Alkyd paints
- Stains and varnishes
- Aliphatic/aromatic solvent-based systems
- Maintenance paint systems

### KEY PROPERTIES

- Improved pigment suspension
- Improved sag resistance
- Reduced penetration
- Reduced flooding and floating

### INCORPORATION

**BENTONE GEL 1** may be added to the initial mill base or, preferably, shortly before the let down. When used as a corrective agent in a completed batch, reduce the BENTONE GEL 1 first with an equal volume of paint added in several small increments under agitation. When the mixture is smooth and fluid, pour it into the batch and stir for 10 to 15 minutes.

### LEVELS OF USE

In a typical coating, 10-20 lbs of **BENTONE GEL 1** generally takes the place of 2 to 3 lbs of dry BENTONE 34. The optimum concentration may be higher depending on the individual system and its requirements.

### 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

Keep containers in a cool, dry location. Partially used containers should be tightly resealed for storage.

### SHELF LIFE

**BENTONE GEL 1** 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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