

## NUOSPERSE® W-33

### APE-Free Pigment Dispersing Agent

#### GENERAL INFORMATION

**NUOSPERSE W-33** is a dispersing agent that can be used with a variety of pigments to help provide full colour development and maximum production output. It is highly effective in wetting and dispersing pigments in waterborne systems, and stabilizing the finished dispersion to prevent re-flocculation and viscosity drift.

**NUOSPERSE W-33** is low VOC and free of Alkylphenolethoxylates.

**NUOSPERSE W-33** Dispersing Agent does not promote foam, will not lower gloss, or affect dry time, resistance properties or film hardness. In high gloss coatings the improved dispersion obtained will often yield higher gloss and improved distinction of image.

#### CHEMICAL & PHYSICAL PROPERTIES

Active Solids	30%
Weight per Gallon	8.8
Specific Gravity	1.05
Viscosity, cps	550 - 1200
VOC US EPA Standard Test Method 24	0.53 lbs./gal 64 gr/Liter

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

#### APPLICATIONS

- **NUOSPERSE W-33** is specifically recommended for waterborne coatings & inks, pigment dispersions & color concentrates.
- Ideal for iron oxides, phthalo blues & greens, naphthol pigments, quinacridones, vat violets and lead containing pigments.

#### KEY PROPERTIES

- Rapid pigment wetting
- Good flow at high pigment loading
- Increased mill output
- Maximum tinting strength development
- Full chroma development
- Elimination of floating, flooding and rub-up
- Long-term viscosity stability
- Optimum initial gloss and gloss retention
- Elimination of hard settling

#### INCORPORATION

**NUOSPERSE W-33** Dispersing Agent added to a mill base prior to the addition of pigments.

#### LEVELS OF USE

In coatings and inks where pigment is dispersed in a water soluble resin, a 2% addition of **NUOSPERSE W-33** on the mill base portion of the formula will provide lower viscosity and increased pigment loading, along with the other benefits of improved dispersion.

In the manufacture of concentrated tinting colors, levels of 10% to 15% on pigment load are recommended.

#### 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

**NUOSPERSE W-33** Dispersing Agent should be stored out of direct sunlight at temperatures between 40°F/5°C and 130°F/50°C. Protect from frost.

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### SHELF LIFE

**NUOSPERSE W-33** 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.

*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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