

APE-Free Pigment Dispersing Agent

GENERAL INFORMATION

NUOSPERSE[®] W-30 is an environmentally friendly dispersing agent that can be used with all types of pigments to help provide full color 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-30 is low VOC and free of alkylphenol ethoxylates.

NUOSPERSE[®] W-30 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.

PHYSICAL PROPERTIES

| | |
|-------------------------|-----------------|
| Solids | 33.5 % |
| Viscosity, cps | 400 - 700 |
| Bulk Density | 8.7 lbs / gal |
| Specific Gravity | 1.04 |
| VOC US EPA | 0.92 lbs. / gal |
| Standard Test Method 24 | 110 gr. / lt. |

APPLICATIONS

NUOSPERSE[®] W-30 is compatible with most waterborne coatings vehicles and can be used in decorative paints, industrial coatings and maintenance finishes, automotive coatings, electro-deposition coatings, wood and furniture coatings, parquet lacquers, and inks as well as in the manufacture of tinting colors for these same applications.

KEY PROPERTIES

The use of NUOSPERSE[®] W-30 dispersing agent will provide the following benefits:

- 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-30 dispersing agent added to the mill base prior to addition to pigments.

LEVELS OF USE

In coatings and inks where pigment is dispersed in a water soluble resin, a 2 % addition of NUOSPERSE[®] W-30 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, 10 % to 15.0 % on pigment load will give optimum performance, depending on the pigment used

HANDLING AND SAFETY

Before using this product, please consult our Safety Data Sheet.

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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STORAGE RECOMMENDATIONS

NUOSPERSE® W-30 dispersing agent should be stored out of direct sunlight at temperatures between 40 °F/ 5 °C and 130 °F/ 50 °C. Protect from frost.

PACKAGING

NUOSPERSE® W-30 supplied in drums and pails. Please contact your local Elementis Specialties representative for the packaging available in your region.

SHELF LIFE

Four (4) years from the manufacturing date.

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.

Elementis Specialties

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