

Technical Information

Carbowet® GA-100 Surfactant

Nonionic Wetting Agent and Grind Aid

Description

Carbowet® GA-100 surfactant is an optimized combination of nonionic additives designed to provide multifunctional wetting, stabilization, and compatibilization benefits in a wide range of aqueous formulations. Carbowet® GA-100 offers superior low-foam pigment wetting and milling efficiency benefits without the water sensitivity, foam, and rheology problems that are associated with APE surfactants.

The performance characteristics of Carbowet® GA-100 surfactant extend to a wide range of applications and formulations in which the combination of dynamic wetting and the compatibilization and stabilization can provide unique benefits. Furthermore, Carbowet® GA-100 surfactant contains no added APEs or solvents, and is an easy-to-incorporate liquid additive. Carbowet® GA-100 surfactant offers the best performance in architectural paint millbases.

Recommended Usage

Between 0.2 and 0.3% of total formulation weight yields wetting benefits, while between 0.5 and 2.0% of total formulation weight yields stabilization benefits.

Advantages

- Milling efficiency improvement for faster and greater color and hiding development
- Low foam with dynamic wetting
- Little to no impact on system rheology, water resistance, dry time, block resistance, gloss, or opacity
- Improved color rub-up and color acceptance for enhanced touch-up
- Contains no added APEs or solvents

Typical properties

Appearance	Clear, colorless to pale yellow liquid
Specific Gravity at 25°C, g/mL	0.98-1.00
Viscosity at 21°C	110 mPa.s
Pour Point	- 13°C
Flash Point	118°C

These are typical properties only and do not represent sales or manufacturing specifications.

Applications

- De-airetrainer for superplasticizer admixtures
- Architectural paints
- Industrial and OEM coatings
- Paper coatings
- Pigment dispersions
- Inks and graphic arts

Storage and Handling

Carbowet® GA-100 surfactant should be stored under dry and clean conditions between -10 °C and 50 °C.

Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

Please refer to Material Safety Data Sheet.

Shelf-Life

24 months from the date of manufacture.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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