

DAPRO® BIO 9910

Liquid vegetable oil based defoamer for waterborne applications

GENERAL INFORMATION

DAPRO BIO 9910 is a liquid vegetable oil based defoamer, for universal waterborne applications. The product shows excellent compatibility, fast defoaming performance and very good long-term efficiency.

CHEMICAL & PHYSICAL PROPERTIES

Appearance	light amber wax liquid
Active content	98 - 100%
Density 25 °C (ISO 2811-2)	850 - 950 kg/m ³
Viscosity, 25 °C (ASTM D 2196)	600 - 2000 mPa.s
Solubility	emulsifiable in water, resulting in an unstable emulsion, which creams rapidly
Composition	fine dispersion of wax in vegetable oil

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

APPLICATIONS

- **DAPRO BIO 9910** is specially recommended for Waterborne systems in the architectural, industrial, wood segment but as well for waterborne adhesives and plasters.
- Excellent defoaming properties can be obtained in different waterborne chemistries e.g. acrylic, styrene-acrylic, vinyl-polymers, etc.
- Use in pigmented and non-pigmented systems is possible

KEY PROPERTIES

- **DAPRO BIO 9910** is based on vegetable oil/wax components with a small addition of a special silicone.
- **DAPRO BIO 9910** is very effective and fast in defoaming waterborne systems
- **DAPRO BIO 9910** shows excellent storage stability thanks to a unique production process.

Feature	Consequence
• Universal use in process	- Allows to use only one defoamer in formula
• Universal use in different chemistries	- Allows to reduce customers raw material portfolio
• Fast defoaming	- Allows fast production cycles
• Excellent stability	- best reproducibility
• Based on vegetable oil	- contribute to renewable share of a paint

INCORPORATION

DAPRO BIO 9910 can be used in the milbase and letdown process.

Due to the higher shear the use in milbase is favourable. Stirring before use is recommended to ensure homogeneous material.

LEVELS OF USE

The exact concentration to be used depends on the individual conditions. In general a rate of 0.2 - 0.5% **DAPRO BIO 9910**, calculated on the total quantity of the paint system, will give excellent results.

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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 tightly closed in a temperature conditioned <40 °C.

SHELF LIFE

DAPRO BIO 9910 has a shelf life of 18 months from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

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V03 Jun. 2023

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