

Liquid vegetable oil based defoamer for waterborne applications

GENERAL INFORMATION

DAPRO® DF 9030 is a liquid vegetable oil based defoamer, economical in use, for universal waterborne applications. The product shows very good long-term efficiency.

PHYSICAL PROPERTIES

Appearance	Light amber waxy dispersion
Dry content	50%
Density 25°C (ISO 2811-2)	950-1000 kg/m ³
Viscosity, 25°C (ASTM D 2196)	600 – 3000 mPa.s
Solubility	emulsifiable in water
Composition	ultra fine dispersion of wax in vegetable oil, emulsified in water

APPLICATION AND PROPERTIES

DAPRO® DF 9030 is specially recommended for systems with good emulsifying properties, such as surfactant stabilised emulsions and emulsion paints. DAPRO® DF 9030 is based on vegetable oil/wax components with a small addition of a special silicone.

Feature	Consequence
• Excellent stability	- best reproducibility
• Low emulsifiability in water	- provides long-term effectiveness - decreased water sensitivity and increased scrub resistance.
• Economical in use	- cost saving
• Based on vegetable oil – contribute to renewable share of a paint	

INCORPORATION

It is recommended to add at least half of DAPRO® DF 9030 to the mill base formulation and the rest

during the letdown stage. Use in the letdown stage should be restricted to higher PVC formulations. The exact concentration to be used depends on the individual conditions. In general a weight percentage of 0.2 – 0.6% DAPRO® DF 9030, calculated on the total quantity of the paint system, will give excellent results. Use in formulations with a PVC < 30% should be carefully monitored for surface defect formation.

HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS' can be found on the company website at www.elementis-specialties.com.

STORAGE CONDITIONS

Keep containers tightly closed in a temperature conditioned room between 0° C and 30° C. The product is sensitive to freezing below 0° C.

The product is manufactured according to a unique production process, resulting in good storage stability. However DAPRO® DF 9030 might show some separation or sedimentation on storage. This can easily be remedied by homogenisation and stirring before use.

SHELF LIFE

DAPRO® DF 9030 has a shelf life of minimum 1 (one) year 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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