

TECHNICAL INFORMATION

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NEWOTEC[®] 325

Product Category:	Dispersing agent for inorganic fillers and pigments
Fields of Application:	Dispersion of fillers and pigments in organic carrier liquids like plasticizers
Product Characteristics:	<ul style="list-style-type: none">➤ optimized for low VOC applications➤ free of APEO and phthalates➤ free of solvents, 100% active content
Chemical Composition:	Mixture containing long-chain partial esters and fatty acids
Technical Data:	Appearance (20 °C): yellowish, viscous liquid Active content: 100% Boiling range: >160 °C Solidification range: <0°C Compatibility: compatible with many organic carrier liquids (like PVC plasticizers) within the recommended concentration range
Storage:	Shelf life: in originally sealed drums, approximately one year from the date of delivery under the conditions recommended below Storage Conditions: Recommended storage temperature: min +3°C, max +40 °C Protect from moisture Frost resistant
Packaging:	drum / IBC
Use concentration:	lowest: 1% referring to the weight of the <u>filler</u> content highest: 3% in the total formulation It is strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when the highest recommended use concentration is exceeded.

NEWOTEC[®] 325

Application:

NEWOTEC[®] 325 should be stirred into the liquid components until a homogeneous mix is obtained. After that the fillers and/or pigments can be added to the pre-mix.

NEWOTEC[®] 325 leads to a homogeneous dispersion of powdered solids in the carrier liquid, prevents or reduces the formation of agglomerates, giving a free-flowing dispersion of low viscosity.

Example of use:

Preparation of a high-solid, 75% titanium dioxide dispersion in PVC plasticizer (all values in weight-%):

25,0 DINP
75,0 titanium dioxide powder

→ forms a crumbly, dry mass.

23,5 DINP
1,5 NEWOTEC[®] 325
75,0 titanium dioxide powder

→ forms a homogeneous, pourable dispersion.

Further Information:

NEWOTEC[®] 325 is a dispersant with acidic groups. In some cases, and especially when higher amounts are added to PVC formulations, it might be necessary to increase the quantity of heat stabilizer.

The data in this technical information are derived from practical experience. They do not guarantee specific product properties or the suitability of the product for particular applications. Lab or pilot tests should be carried out in any case. Due to many different possible process conditions we cannot assume any liability. Any existing industrial patent rights have to be respected. Additional information on product properties pertaining to working safety as well as environmental protection can be found in the material safety data sheet.