DEUTERON ND 210

Wetting and dispersing agent for solvent-based systems

/ Chemical Description

C_{18} fatty acid amide dioleate, dissolved in aliphatic hydrocarbon

/ Physical Data

Appearance	yellow liquid
Viscosity	approx. 500 mPa·s
Specific Weight	approx. 0,84 g/cm³
Flash Point	58 °C

/ Properties

Deuteron ND 210 is a wetting agent with a cationic effect. It reduces the surface tension of organic solvents or binding agent solutions and thus supports the dispersion process, making it more cost-effective.

Deuteron ND 210 also allows a more economical use of pigments since both the hiding and the coloring powers largely depend on the dispersion conditions. The much-dreaded flooding and floating of pigments can be prevented with Deuteron ND 210.

The improved storage life of pigmented systems will also have to be taken into consideration, since the stabilization of the dispersing particles due to the dipol effect prevents the formation of new agglomerates and thus counteracts the possible formation of sediments.

/ Application

Deuteron ND 210 is suitable for the production of pigmented coating materials based on oxidative and on physically drying binding agents. The wetting-promoting properties of Deuteron ND 210 are particularly advantageous for the production of highly filled systems, such as pigment paste. Likewise, the agent is also suitable for coating systems for which both of the above aspects are desirable.

/ Dosage

The required quantities of Deuteron ND 210 depend on the wetting properties of the binding agent and on the quantity of binding agent required for the relevant pigment or the combination of pigments, respectively. It ranges from a minimum of 0,5 % for the usual inorganic and metal pigments to quantities of between 2 % and 5 % for organic pigments and may amount to quantities of 10 % in extreme cases (carbon black). These quantities refer to 100 weight % of pigment.

/ Processing

In order to achieve the required wetting effect please make sure that Deuteron ND 210 is added before the dispersion process.

/ Storage conditions

Deuteron ND 210 can be stored in its original tightly closed containers for at least 24 months at room temperature.

/ Package Sizes

Sheet steel hobbock UniGrip (20 kg net)

/ Safety Regulations

According to Regulation (EC) No. 1272/2008 Deuteron ND 210 is classified as a dangerous product and therefore needs to be labeled. For more information please consult the safety data sheet.

Deuteron®
ADDITIVES TO YOUR SUCCESS

/ Deuteron: First-class products for the coatings industry

Deuteron GmbH has 30 years of experience in the production and sales of additives including: matting agents, conductivity agents and UV initiators. In the course of our company's 30-year history, we have become an important partner for the paint, lacquer and coatings industry – we operate nationally and internationally and are represented all over the globe. We serve you with the dependability and close business relationship that only an owner-operated, medium-sized company can offer – and we also have the expertise of a global provider. Get in touch with us! We are happy to be of assistance and to help find individual solutions for your needs.

/ Visit us on the Internet

You can find detailed information on all our products at www.deuteron.com. Matting and texturing agents, surface additives, UV initiators and much, much more: We supply first-class products and look back on more than 30 years of experience as an important partner for the coatings industry.

/ Wetting and Dispersing Agents from our portfolio

Deuteron ND 210
Deuteron ND 953
Deuteron ND 960 HF
Deuterol Emulgator BI

This leaflet intends to give technical advice without warranty and does not claim to be complete.

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