



Technical Data Sheet

DEUTERON ND 953

Dispersing Agent for Water Based Systems

Deuteron[®]
ADDITIVES TO YOUR SUCCESS

■ Product Characteristic

Appearance	clear brown liquid
Density	approx. 1.30 g/cm ³
Viscosity	approx. 130 mPa*s
Active content	approx 43 %
Solvent	water



■ Product Description

Deuteron ND 953 is an aqueous solution of a sodium polyaldehyde carboxylate. It acts as dispersant for inorganic pigments and fillers in water-based formulations and effectively reduces viscosity in highly filled emulsion paints and plasters. Deuteron ND 953 can be used in resin free millbases and in combination with grinding resins.

Deuteron ND 953 works only in the pH range above 7. The pH value of the system must be adjusted accordingly. It is incompatible with cationic substances.

■ Applications

Deuteron ND 953 is particularly suitable for:

- › Inorganic pigments and filler
- › Emulsion paints and plasters
- › Filler
- › Adhesives
- › Pigment concentrates

Deuteron ND 953 especially acts as:

- › Wetting and dispersing agent
- › Anti-floating additive

■ Dosage

The addition levels of Deuteron ND 953 depends on the wetting properties of the binders and on the surface area of the pigments.

Relative to the pigment content 0.3 – 0.7 % are a good starting point for formulation trials.



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■ Processing

Deuteron ND 953 is added to the binder phase prior before pigment addition and dispersion / grinding process.

■ Storage Conditions

24 months at room temperature and dry conditions. Storage temperature should not exceed 35 °C. Discoloration during storage can happen and does not influence the quality of the product.

Because of the low addition levels, it is not expected that the colour shade of the final coating is influenced by the dark brown colour of Deuteron ND 953.

■ Package Sizes

Plastic can (25 kg net)
Steel drum (250 kg net)
IBC (700 kg net)

■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron ND 953 is not classified as dangerous product and therefore does not need to be labelled.

For detailed information please refer to the Safety Data Sheet and Regulatory Information Sheet. The documents are also available on our website:

<https://www.deuteron.com/en/download-center/>

■ Deuteron: First class products for the coating industry

Deuteron GmbH successfully develops and sells innovative additives since 1977. Our product range consists of matting agents, anti-static additives, texturing additives, thickeners and UV initiators. In the course of our company history we have become an important partner of the national and international paint, lacquer and coating industry with sales partners around the globe.

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



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