



Technical Data Sheet

DEUTERON ES 222

Air release agent for unsaturated polyester systems

Deuteron[®]
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■ Product Characteristic

Appearance	clear yellow liquid
Density	approx. 0.9 g/cm ³
Viscosity	60 – 140 mPa*s
Active content	approx. 52 %
Solvents	hexylenglycol / aromatics



■ Product Description

Deuteron ES 222 is a synthesis product of multifunctional organic bases and fatty acids with chain length from C14 to C20, mainly C18. It is used as defoamer in unsaturated polyesters and leads to improved pigment wetting and substrate wetting.

The defoaming properties of Deuteron ES 222 are based on deaeration and prevents formation of foam in UPE systems actively.

■ Applications

Deuteron ES 222 is suitable in unsaturated polyester systems and especially improves performance in:

- › Wetting and dispersing additive
- › Substrate wetting
- › Deaeration in dispersing and grinding processes
- › Defoamer

■ Dosage

0.2 to 0.4 % based on the polyester resin solution. Higher dosages are possible, but must be tested.



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■ Processing

Deuteron ES 222 can be added to the resin solution by the UPE manufacturer. To further adjust system performance, it is possible to add Deuteron ES 222 at the processor's site just before addition of the peroxides.

The stirring conditions should be carefully selected so that the system is not loaded with air bubbles.

■ Storage Conditions

24 months at room temperature and dry conditions. Storage temperature should not exceed 35 °C.

■ Package Sizes

Steeldrum (25 kg net)

■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron ES 222 is classified as a dangerous product and therefore does 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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