



Technical Data Sheet

DEUTERON LE 15P

Powered Antistatic Additive based on Quaternary Ammonium Compound

Deuteron[®]
ADDITIVES TO YOUR SUCCESS

■ Product Characteristic

Active content approx.	50 %
Particle size d50 approx.	18 µm
Bulk density approx.	240 kg/m ³
Ionogenicity	cationic
Appearance	white powder



■ Product Description

Deuteron LE 15P is a quaternary ammonium salt absorbed onto a SiO₂ carrier. The product is a cationic surfactant and acts as an antistatic agent in various applications. Its main working mechanism is based on surface migration and orientation.

Deuteron LE 15P is free of solvents and plasticizers. The product is particularly developed for extrusion processes. The liquid active ingredient is absorbed onto the silica carrier and the product can be used in all applications where liquid components typically cannot be used.

■ Applications

Deuteron's anti-static additives can reach anti-static resistivity values between 1x10⁵ and 1x10⁹ Ω (100 kΩ - 1 G Ω) according to EN ISO 20345.

These values can vary depending on the test system and the defined test conditions. For further details please refer to our 'Conductivity Agents' brochure. In liquid systems, the active ingredient is released during processing. Depending on the formulation, the silica carrier has little influence onto the rheology.

Fields of application include:

- Powder coatings
- Plastics and plastisol
- 100 % systems

■ Dosage

The exact quantities to be used depend on the system and must be individually adjusted and determined for the intended area of application. Depending on the application, the dosage is between 1 and 5 %. Higher dosages than 10 % are generally not required.



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■ Processing

Deuteron LE 15P can be added to the system at any time. For optimal release, it is recommended to process the material at higher shear forces or in an extrusion process.

■ Storage Conditions

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

■ Package Sizes

Fibre drum (15 kg net)

■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron LE 15P is classified as dangerous good and therefore needs 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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