

DEUTERON LE 100 LV

Antistatic agent

/ Chemical Description

Quaternary ammonium compound

/ Physical Data

Appearance	yellowish liquid
Viscosity	approx. 3.500 mPa·s
Specific Weight	approx. 1,05 g/cm ³
pH-Value	approx. 8,5 (1 % in dist. water)
Acid Value	approx. 13
Hydroxyl Value	approx. 185
Flash Point	does not apply



/ Properties

Deuteron LE 100 LV is delivered with an active content of 100 %. The product is free of solvent and of low viscosity. It is characterized by ease of handling. Deuteron LE 100 LV can be processed at room temperature and below without melting or producing a master batch. That is why the product is particularly suitable for solvent free systems.

Because of its cationic character and the extremely high polarity of Deuteron LE 100 LV, the electrical resistance is reduced considerably - even when using small quantities.

Deuteron LE 100 LV is soluble in most common lacquer solvents.

/ Application

Deuteron LE 100 LV can be used (among others) in PUR-foams (production of shoe-soles), UV- or electron-beam curing screen inks to avoid electrostatic charge.

The suitability of the product in further fields of application has to be checked by the user.

/ Dosage

With an addition of approx. 2,5 % Deuteron LE 100 LV referred to the total formulation of a polyester compound with a density of 0,6 g/cm³, which shall be used for the production of shoe soles, it is in most cases possible to obtain the conductivity required for safety shoes by EN 344. The exact dosage should be determined by own trials.

In further fields of application the exact dosage depends on the system and has to be determined individually. An addition of 1,0 % - 2,5 % imparts the required reduction of electrostatic charge in many cases.

/ Processing

Deuteron LE 100 LV can be added easily in its delivery form at room temperature and below without warming up.

/ Storage Conditions

Deuteron LE 100 LV can be stored in its original tightly closed containers for at least 24 months at room temperature. Deuteron LE 100 LV solidifies at low temperatures. It liquefies again when warmed up.

/ Package Sizes

Sheet steel hobcock (25 kg net)
Steel barrel with lid (200 kg net)
Plastic rental container (900 kg net)

/ Safety Regulations

According to Regulation Deuteron LE 100 LV is classified as a dangerous product and therefore needs to be labeled. For more information please consult the safety data sheet.

/ 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.

/ Conductivity Agents from our portfolio

Deuteron LE 80
Deuteron LE 100 LV
Deuteron LE 151
Deuteron LE 215

Deuteron LE 512
Deuteron LE 829
Deuteron LE 947

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