

# DEUTERON LE 100 LV

## Antistatic agent

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### Chemical Description

Quaternary ammonium compound

### Physical Data

Appearance	yellowish liquid
Viscosity	approx. 3.500 mPa·s
Specific Weight	approx. 1,05 g/cm <sup>3</sup>
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 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 in particular 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/cm<sup>3</sup>, which shall be used for the production of shoe soles, it is in most cases possible to obtain the conductivity required by EN 344 for safety shoes. The exact dosage should be determined by own trials.

In further fields of application the exact dosage depends from system and has to be determined individually. An addition of 1,0 % - 2,5 % imparts the required reducing 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

DEUTERON LE 100 LV is classified as a dangerous product according to the EU Directive 67/548/EWG and its amendments and therefore has to be marked: Xn - less toxic  
N - dangerous for the environment

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

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