

# DEUTERON LE 151

## Additive to anstatically equip polyurethane-foams

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### Chemical Description

Tetraalkylammoniumethylsulphate solved in ethylene glycol (MEG)

### Physical Data

Appearance	yellowish liquid
Viscosity	approx. 300 mPa·s
Density	approx. 0,99 g/cm <sup>3</sup>
pH-Value	approx. 8 (1 % in dist. water)
Acid Value	less than 7
Hydroxyl Value	approx. 270
Flash Point	does not apply

### Properties

DEUTERON LE 151 is of high polarity and therefore noticeably reduces the electrical resistance of polyurethane-foams - even when using small quantities.

### Application

DEUTERON LE 151 is designed to be used as an antistatic agent for polyurethane compounds based on polyester and polyether. These compounds are used in the shoe industry to produce soles with antistatic properties. DEUTERON LE 151 is preferred in systems which already contain MEG as a cross-linking component.

### Dosage

A reliable suggestion cannot be given here. The exact dosage depends on the formulation, the density of the foam and the required electrical resistance of the final product.

An addition of 2,5 % calculated on the total composition will reduce the electrical resistance sufficiently in most applications. The hydroxyl value of DEUTERON LE 151 has to be considered to ensure an optimum cross-linking.

Further decrease in resistance will be obtained when DEUTERON LE 151 is used at a higher dosage. In this case it should be taken into consideration that the physical properties of the final product can change. The exact dosage should be determined by own trials

### Processing

DEUTERON LE 151 can be added easily to the compound in its delivery form at room temperature and below. The product has not to be warmed up.

### Storage Conditions

DEUTERON LE 151 can be stored in its original tightly closed containers for at least 24 months at room temperature. DEUTERON LE 151 solidifies below 5 °C. When warmed up it liquefies again.

### Package Sizes

Sheet steel hobcock UniGrip (25 kg net)  
Steel barrel with lid (200 kg net)

### Safety Regulations

DEUTERON LE 151 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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