

**Specification**

| Parameter                        | unit  | Requirements |
|----------------------------------|-------|--------------|
| Assay (GC)                       | %     | min. 99,5    |
| Water (KF)                       | %     | max. 0,05    |
| Acidity                          | meq/g | max. 0,0005  |
| Evaporation residue              | %     | max. 0,0005  |
| UV - transmittion (1 cm, water): |       |              |
| 230 nm                           | %     | min. 70      |
| 240 nm                           | %     | min. 80      |
| 250 nm                           | %     | min. 90      |
| 260 nm                           | %     | min. 95      |
| 280 nm                           | %     | min. 99      |
| Stabiliser (ethanol)             | %     | ~1           |

Guarantee: 3 years from production date.

**Regulatory and transport information**

Symbol: F+ Xn

R-phrases: 12-19-22-66-67

S-phrases: 9-16-29-33

ADR Class and package group: 3,I

UN Number: 1155

Name (acc. to UN): diethyl ether

**Physical and chemical properties**

Form: liquid

Colour: colourless

Odour: characteristic

pH value: not available

Melting point: -116,3°C

Boiling point: 34,6°C

Ignition temperature: 180°C

Flash point: -40°C

Explosion limit:

lower: 1,7 Vol%

upper: 36 Vol%

Dynamic viscosity: 0,23 mPa\*s

Vapour pressure: 587 mbar (20°C)

Density: 0,71 g/cm<sup>3</sup> (20°C)

Bulk density: not applicable

Solubility:

in water: 69 g/l (20°C)

in organic solvents: soluble