**Addovate® DD 1092**

**Function**
Additive for the production of cellular Vulkollan

**Product description**
- **Chemical composition:** Mixture of emulsifiers based on fatty acid ester
- **Physical appearance:** Brownish, viscous liquid
- **Density (20 °C):** Approx. 1.04 g/cm³
- **Viscosity (25 °C):** Approx. 1 200 mPa.
- **Initial boiling point:** > 200 °C under decomposition
- **Pour point:** < - 10 °C
- **Flash point:** Approx. 240 °C
- **Miscibility with water:** Not miscible
- **Water content:** Max. 1.5 %
- **Acid value:** 70.0 ± 5.0 mg KOH/g
- **pH-value:** 7.0

**Product information**
- **Preparation:**
  - If a specific pH (e.g. 7-8) is required but the pH-value of the product has dropped to pH 5-6 due to excessively warm storage temperatures, the original pH-value can be reproduced by adding 50-100 g monoethanol amine per 50 kg Addovate DD 1092 (then homogenize by stirring).

**Use:**
- Addovate DD 1092 is an additive for use in the manufacture of cellular Vulkollan.
- Addovate DD 1092 is a liquid emulsifier and retards the foaming reaction. After a prepolymer has been manufactured on the basis of polyester polyol, Desmodur 15 and additives (citric acid, castor oil and Stabaxol 1), the reaction is completed by the addition of crosslinker.
- Crosslinking is achieved by evenly stirred the crosslinker into the prepolymer which has been cooled to about 90 °C.
Crosslinker:
10.0 parts by weight Vulkollan 2001 KS
2.15 parts by weight Addovate SM
0.215 parts by weight Addovate DD 1092
0.0215 parts by weight Addocat PP

To manufacture the crosslinker, Vulkollan 2001 KS is heated to 40-50 °C and the specified additives stirred in vigourously. This mixture must be stored in sealed containers at a temperature of 45 - 50 °C and used within 8 hours.

### Packing
Metal cans, contents 50 kg

### Storage stability
Addovate DD 1092 has a shelf life of three months, only if stored in a cool place (< +6 °C) at a pH-value of 7-9. Higher storage temperatures reduce the pH-value of the product.

### Handling
Consult material safety data sheet (MSDS) for additional handling information on Addovate DD 1092.

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