

# Technical Data Sheet

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## Ecopol 115

### I. General description:

**Ecopol 115** is an **aromatic polyester** polyol based on soy been oil grafted with PolyEthylene Terephthalate (PET).

This product is designed especially for the use in flexible and microcellular foam. In the formulation of low density foams It is acting as a cross linker and is providing additional stiffness and tensile strength.

The polyol has an excellent mixability with HCFC's, Pentane and water and is compatible with polyether polyols.

### II. Chemical properties:

|                          |                               |                                   |
|--------------------------|-------------------------------|-----------------------------------|
| Color:                   | amber                         |                                   |
| OH-Number:               | 110 ± 10 mgKOH/g              |                                   |
| Aromatic content         | 15 %                          |                                   |
| Acid number:             | < 1.0 mgKOH/g                 |                                   |
| Water content:           | < 0.1 %                       |                                   |
| Functionality:           | 2.2 - 2.4                     |                                   |
| Viscosity at 25°C (77F): | 1000 ± 100 Cps                | (mPas)                            |
| Density at 25°C (77F):   | 1.03 ± 0.02 g/cm <sup>3</sup> | (0.60 ± 0.01 oz/in <sup>3</sup> ) |

### III. Availability:

|               |               |                          |
|---------------|---------------|--------------------------|
| Barrel        | 200 kg        | (440 lb)                 |
| IBC container | 1000 kg       | (2,200 lb)               |
| Bulk cargo    | 10 or 20 tons | (22,000 lb or 44,000 lb) |
| Isotainer     | 20 tons       | (44,000 lb)              |

### IV. Handling and safety information:

The polyol should be maintained with a temperature above 20°C. Lower temperature does not affect the chemical properties of the polyol but possibly the color and the viscosity.

The safety information is included in the Safety Data Sheet of the material which is available by request at Ecopur.