

# EDAPLAN<sup>®</sup> LA 452

## TECHNICAL INFORMATION

### Wetting and leveling agent for aqueous systems

**Composition:** Special anionic ester and surfactants in water, free of silicone

**Appearance:** liquid  
**Colour:** yellow

**Typical Properties:**

Active ingredients:	approx. 83 %
Consistency:	approx. 700 mPa s
Density at 20°C:	approx. 1.03 g/cm <sup>3</sup>
Flash point:	approx. >100 °C
pH (2% in dist. water):	approx. 6
Surface tension: (1% in water)	approx. 27.0 mN/m

*This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.*

**Properties/applications:** EDAPLAN LA 452 reduces the surface tension of aqueous systems without increasing the foam formation. Thus substrate wetting, leveling and gloss are improved. EDAPLAN LA 452 is free of silicone and has no adverse effects on recoatability. This additive is compatible with all common resin systems.

Advantages of using EDAPLAN LA 452:

- Gloss improvement and reduction of haze
- Prevention of surface defects like craters and Bénard cells
- Improvement of substrate wetting
- No increase in foam
- Good recoatability

Main application areas

- Architectural Coatings
- Wood and furniture coatings
- Automotive OEM and repair coatings
- Industrial Coatings
- Printing inks and overprint varnishes

**Recommended levels/use:** To improve substrate wetting and leveling properties the normal dosage ranges from 0.1 to 1.0 % as supplied on total formulation. A ladder study is recommended to determine optimum concentration level. EDAPLAN LA 452 can be added at any stage of the manufacturing process. Post-addition is possible too.

**Storage/handling:** EDAPLAN LA 452 is not sensitive to freezing. For better handling it should be stored between 15 and 25 °C. During storage the product can separate into two phases. Consequently it must be stirred well before use. The minimum shelf life in closed containers is 15 months from the date of manufacture.

**Packaging:** Totes holding 900 kg net, drums holding 140 kg net and kegs holding 25 kg net.