

# **Dispersant D161R**

**(Similar to BYK-161)**

## **Main components**

30% active ingredient, butyl acetate/PMA mixed solvent. It doesn't contain aromatic solvents.

Suitable as high molecular weight wetting and dispersing aids of solvent-borne paint systems.

## **Physical parameters**

Appearance: Brown yellow transparent liquid

Amine value: 5-20 mg KOH/g

Density (25 °C): 0.980-1.050 g/cm<sup>3</sup>

Active ingredient: 30%

## **Recommended dosage**

Inorganic pigment: 10-15%

Titanium dioxide: 5-6%

Organic pigment: 30-90%

Carbon black: 70-140%

Recommended addition amount is based on percentage of pigment weight.

## **Features**

D161R has become one of the most widely used classic dispersants for solvent-borne coatings due to its excellent dispersion ability. It is especially suitable for dispersing high-performance yellow and red organic pigments with excellent transparency.

For some highly surface treated pigments D161R may have average effect due to the difficult adsorption. At this time, it may have a good effect for pigments of the same specification but without surface treatment. D161R is recommended for industrial coating systems such as automobile repair paints and wood paints. D161R is also suitable for the addition at the terminal stage to adjust the difference between batches. In this case high shear forces are needed to be added slowly. D161R reduces the flocculation of pigments through the space barrier effect.

It provides equal charge to pigments, so it can avoid the possibility of co-flocculation of pigments with unequal charge. Since the particles of the pigment are very small, high gloss, improved color strength, high transparency and hiding power could be achieved. D161R reduces the viscosity, improves leveling and increases the pigment content. D161R is suitable for various industrial coating systems, anti-corrosion coating systems, automobile repair systems, motorcycle coating systems, etc.

## **Storage and packaging**

25KG and 50KG plastic drums.

Store in a cool, dry and ventilated place away from light.