



# Product Data Sheet

## De-PS 40 Dispersant

**De-PS 40** is an aqueous solution of acrylate copolymer. It is new pigment dispersion technology and having anionically charged chemical structure & complementary design of hydrophilic-hydrophobic. **De-PS 40** can effectively disperse and stabilize many different types of pigmented slurries.

### **BENIFITS:**

- **Highly effective wetting and dispersing agent for pigments and fillers in aqueous media like pigment dispersions for Paper and printing inks.**
- **Allows a very high level of pigmentation to be achieved, but also ensures an excellent dispersion of pigments and fillers as well as a notable stabilization of emulsion and pigment pastes during storage.**
- **It is miscible in water in all ratios, and compatible with commercially available polymer emulsions. Sequesters hardness forming ions like calcium, magnesium, copper and iron.**

### **PROPERTIES:**

- **Appearance -----Pale Yellow liquid**
- **Solubility ----- Water soluble**
- **Ionicity ----- Anionic**
- **Specific Gravity at 20C -----1.15-1.18 cps**
- **pH-----6.5-7.5**
- **Shelf life -----180 days**

### **APPLICATION:**

Preferably dissolve **De-PS 40** in water which is required for dispersing the pigments and fillers in the initial manufacturing stage. In many cases, sodium polyphosphates can support their effectiveness. The most effective dosage normally lies between 0.5 and 1.00%, calculated on pigments and fillers.

### **PACKGING, HANDLING & STORAGE:**

**De-PS 40** is available in 60 & 200 Kg HDPE drums and advised to be stored under shed.

### **SAFETY, HEALTH, ENVIRONMENTAL AND REGULATORY APPROVALS:**

Contact DESCON Representative for details.