

## PRODUCT INFORMATION DATA SHEET

# LIBNOL - 40

**DESCRIPTION** : Fatty Acid Derivative

**SPECIFICATIONS** :

Appearance	Amber Colour Liquid
Acid Value	6 Max
Saponification Value	80 ± 2
Specific Gravity	1.01

**APPLICATIONS** :

**Libnol - 40** is an effective viscosity depressants for PVC plastisol. To reduce the viscosity of plastisol formulations, when added in very small proportions, typically 1% or 2%. The effects demonstrated are :

- For a given shear rate, viscosity is reduced by up to 50% at low shear rates and upto 33% at higher shear rates.
- When stored for periods of up to 21 days, low viscosity is retained

**Libnol - 40** do not have adverse effect on the mechanical properties of cured plastisols and in some circumstances improve them.

Since **Libnol - 40** is liquid form at formulation temperatures, it's incorporation in plastisol formulations creates no problems.

There are additional beneficial effects in using **Libnol - 40** viscosity depressants.

**Libnol - 40** can be used as a post-polymerization additive in E-PVC manufacture, it has also useful antistatic properties.

### **LIBNOL-40 AS A VISCOSITY DEPRESSANT FOR PVC LEATHER CLOTH**

**Libnol - 40** is effectively used as viscosity depressant in manufacturing PVC Leather Cloth by spread coating technique. The major advantages are as follows :

- Stiffness of Leather Cloth improves as primary Plasticizer is replaced by **Libnol - 40**.
- Cost gets decreased as Viscosity and thickness is controlled as desired.
- Finished and feel gets improved.
- It also helps in dispersion of pigments and fillers. So this gives better surface and gloss.

Dosage recommended is about 5 to 10% of Plasticizers depending upon the viscosity and stiffness desired.