



# Product Data Sheet

## **ECOD-FLEX 342**

(DIPROPYLENE GLYCOL DIBENZOATE)

CAS NO. 27138-31-4

ECOD-FLEX 342 is a high solvating Dibenzoate plasticizer. Its main component is DIPROPYLENE GLYCOL DIBENZOATE. As a replacement for phthalate plasticizers recommended by the European Chemical Agency(ECHA), it has been used for many years in a wide variety of applications, including adhesives, PS sealants, caulks, resilient flooring, PVC, artificial leather cloth, PVC coated cloth, paints, inks, pesticides, etc..

### **Specification**

Appearance: transparent oily liquid, free of particulate impurities.

Assay(Benzoic esters):99.0% min.

Acidity(calculated as Benzoic Acid):0.1% max.

Color(APHA):80 max.

Moisture:0.1% max.

Hydroxyl No.:13 max.

### **Typical Properties**

#### **Solubility**

In water:< 0.01%

Water in:<0.25%

Molecular Weight

342

Boiling Point(5mmHg,°C)

230

Freezing Point(°C)

-30

Pour Point(°C)

-19

Flash Point(TCC,°C)

>150

Refractive Index(25°C)

1.5282

Specific Gravity(25°C)

1.120-1.125

Viscosity(Brookfield,25°C)

120 cps

VOC Content:

<3%

Odor

Mild ester-like

### **Outstanding Advantages**

1. Environmentally friendly plasticizers recommended by the European Chemical Agency(ECHA) in May 2009. Does not contain any phthalates and can be used as primary plasticizers. Data from more than 30 years applications and tests show Dibenzoate esters are low in toxicity, non-mutagenic, non-carcinogenic and easy to degrade.
2. High solvation power and lower fusion temperature enable faster processing. It also delivers excellent foaming performance in PVC foam processing.
3. High plasticizing efficiency. More fillers can be added. In some formulations there is an apparent decrease in plasticizer volume.
4. Compatible with compounds like PVC, EVA, etc. Products containing ECOD-FLEX 342 exhibit excellent stain and extraction resistance. Soft under low temperature. Impervious to light and heat. Low VOC content.

Package:225kg iron drums OR 1100KGS/IBC.

武汉亿科德精细化工有限公司

**ECOD SPECIALTIES(WUHAN) CO.,LTD.**