



Product Data Sheet

ECOD-FLEX 80

ECOD-FLEX 80 is a high solvating Dibenzoate plasticizer. It has been widely used in adhesive industry. Its main component is DIPROPYLENE GLYCOL DIBENZOATE (CAS NO.: 27138-31-4) and DIETHYLENE GLYCOL DIBENZOATE (CAS NO.: 120-55-8). 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 latex adhesives, caulks, PS sealants, PVC resilient flooring, paints and coatings (as coalescents), 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

Molecular Weight (typical)	320
Boiling Point (5mmHg, °C)	238
Freezing Point (°C)	< 16
Pour Point (°C)	-40
Flash Point (TCC, °C)	> 149
Refractive Index (25°C)	1.535
Specific Gravity (25°C)	1.14-1.15
Viscosity (Brookfield, 25°C)	90 cps
Surface Tension (25°C)	43.0
Odor	Mild ester-like
Solubility	
In water: 0.42%	
Water in: 1.35%	

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 solvating and lower fusing point which means faster processing speed. Very good foaming effect in PVC foaming process.
3. Compatible with EVA emulsions, polysulfphur rubbers and PVC. A good combination of cost and performance in water-borne adhesives industry, polysulfphur sealants industry and PVC resilient flooring industry.

Package: 225kg iron drums.

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