



Product Data Sheet

ECOD-FLEX CA80

ECOD-FLEX CA80 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, paints and coatings (as coalescents).

Specification

Appearance: transparent oily liquid, free of particulate impurities.

Assay (Benzoic esters): 98.0% min.

Acidity (calculated as Benzoic Acid): 1.0% max.

Color (APHA): 80 max.

Moisture: 0.1% 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. Compatible with different kinds of emulsions and a good combination of cost and performance in water-borne adhesive industry.
3. Lower Tg temperature and good viscosity response.
4. Shorten set time and prolong open time.
5. Better wet tack and low VOC.

Package: 225kg iron drums or 1100kg IBC.

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