



Product Data Sheet

ECOD-FLEX 314

(DIETHYLENE GLYCOL DIBENZOATE)

CAS NO.: 120-55-8

ECOD-FLEX 314 is a high solvating Dibenzoate plasticizer. Its main component is DIETHYLENE 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, resilient flooring, PVC, artificial leather cloth, PVC coated cloth, 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	314
Boiling Point(5mmHg, °C)	240
Freezing Point(°C)	16
Flash Point(TCC, °C)	>150
Refractive Index(25°C)	1.5428
Specific Gravity(25°C)	1.17-1.18
Viscosity(Brookfield,25°C)	75 cps
VOC Content	<2.5%
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 fusing temperature. Compared with DOP, ECOD-FLEX 314 requires a lower processing temperature so that the processing speed is faster. Products containing ECOD-FLEX 314 exhibit excellent stain and extraction resistance. Soft under low temperature. Impervious to light and heat.
3. Compatible with polyvinyl acetate emulsions and copolymer emulsions. Very good plasticizing effect in water-borne adhesives. Low VOC content.

Package:225kg iron drums.