

Technical Data Sheet

Eastman TXIB™ Formulation Additive

Chemical Synonym

Trimethyl Pentanyl Diisobutyrate

Applications

- Adhesives/sealants-b&c
- Automotive
- Childcare items
- Flexible pvc compounds
- Flooring
- Peroxides
- Polyurethanes
- Toys
- Vinyl plastisols

Key Attributes

- Inert - Nonfood use

Product Description

Eastman TXIB™ formulation additive is the lowest viscosity (9 cps) additive available to the flexible PVC industry. TXIB is completely compatible with PVC in all proportions and is usually blended with general-purpose plasticizers such as DOP or DOTP. The unique low viscosity makes this material particularly suitable for PVC plastisols and often allows adding additional fillers to the plastisol, resulting in a cost savings. Eastman TXIB™ formulation additive has efficiency generally equal to DOP, which makes substitution in a vinyl formulation very easy. It imparts a dry surface to the vinyl, excellent resistance to staining, and physical properties equivalent to DOP. TXIB is also used in inks, coatings, urethane elastomers, and nail polish lacquers.

The chemical substances for this product are listed as Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). For details on specific permissions, [click here](#).

Typical Properties

Property	Typical Value, Units
General	
Acidity (wt%)	0.05 max.
Color Pt-Co	10 max.
Refractive Index @ 25°C	1.43
Specific Gravity @ 20°C/20°C	0.945
Surface Tension @ 25°C	27.56 dynes/cm
Saponification Equivalent	144.8
Evaporation Rate @ 100°C	0.674 (g/1000 cm ²)/h
Autoignition Temperature	795 °F (424 °C)
Boiling Point	538 °F (281 °C)
Flash Point Setaflash Closed Cup	277 °F (136 °C)
Freezing Point	-94 °F (-70 °C)

Vapor Pressure @ 20°C	<0.0112 torr (<1.5 Pa)
Viscosity @ 25°C	9 cP (9 mPa·s)
Wt/Vol @ 20°C	7.86 lb/gal (0.94 kg/L)

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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