



Dibasic Esters

Alternative solvents



Dibasic esters (DBE) are mixtures of methyl esters of adipic, succinic and glutaric acid, and are available in all kinds of mixture ratios (and some even as "uncut" pure product). Also available is a blend of isobutyl esters of these acids.

DBE count among the modern environmentally friendly alternatives to conventional solvents. DBEs are essentially VOC-free, have a very high flashpoint and are biodegradable, noncorrosive and nontoxic. DBEs are clear, colourless liquids and have a mild, fruity, very acceptable odour. That means DBEs can be used in most applications without hesitation.

DBEs can be used as substitutes for just about every conventional solvent, but especially highly volatile, aromatic solvents and even the highly controversial products methylene chloride and n-methyl pyrrolidone. DBEs are readily soluble in alcohols, ketones, ethers and most hydrocarbons, but only slightly soluble in water and higher paraffinic hydrocarbons.

Despite the entirely positive ecological and health-related properties of the product, DBEs stand out for excellent dissolving power that can even dissolve hardened surfaces.

The main applications are

- Lacquers and paints (versatile use; most noteworthy are coil and can coatings, textile printing inks, wood lacquers for children's toys, inks for food packaging etc.)
- Paint strippers
- Softeners
- Binders (in particular foundry resins)
- Solvent mixtures for cleaning purposes (e.g. cleaning electronic components, injection moulds, PU equipment etc.)
- And much more

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