

Diethyl Phthalate - Applications

Diethyl Phthalate is used –

- In perfumery as a fixative and solvent.
- As a solvent for nitro-cellulose and cellulose acetate in manufacturing of varnishes & paints.
- In the manufacture of insecticides and mosquito repellants
- As additive in polysulfide rubber to reduce shear strength & for easy mixing
- As a dye accelerate for triacetate dyes
- As alcohol denaturant
- In solid rocket propellants used to make plastics more flexible

DEP is used as a plasticizer in consumer products, including plastic packaging films, cosmetic formulations, and toiletries, and in medical treatment tubing (IPCS, 2003).

It is used in various cosmetic and personal care products (e.g., hair sprays, nail polishes, and perfumes), primarily as a solvent and vehicle for fragrances and other cosmetic ingredients and as an alcohol denaturant (Labunska and Santillo, 2004).

Other applications include as a camphor substitute, plasticizer in solid rocket propellants, wetting agent, dye application agent, diluent in polysulfide dental impression, and surface lubricant in food and pharmaceutical packaging