



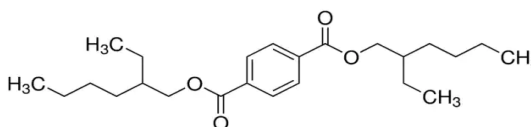
Esterifications Pvt. Ltd

Plot#27, Allama Iqbal Industrial Estate, Prioritized
Special Economic Zone under CPEC,
Sahianwala, Faisalabad, Punjab, Pakistan

Technical Data Sheet (TDS)

PLASTITOL
THE BEST PLASTICIZER

PRODUCT NAME:	Plastitol® DOTP-M (Dioctyl terephthalate) Medical Grade
PRODUCT CODE:	QFP#6616
Molecular Formula	C ₂₄ H ₃₈ O ₄
Molecular Mass	390.6



Tests	Values	Test Method
Appearance	Clear Liquid
Specific Gravity at 25°C	0.980-0.986	ASTM D-1045
Flash point	>232 °C	ASTM D-92
Ester Value	>99.6%	ASTM D-1045
Moisture Content	< 0.1%	ASTM E-203
Color, Hazen Value	<20	EN ISO-6271
Acid Number mg KOH/g	<0.1%	ASTM D-1045
Phthalate Content % (Max)	0.01	GC/MS

Description:

Plastitol® DOTP-M is a clear, colorless plasticizer based upon 2-ethylhexanol and purified terephthalic acid. It is specially used in those applications which are sensitive based on exposure and toxicological issues. It is safe to use in medical products, food packaging and baby toys. It is Compatible with both homopolymer and copolymer vinyl resins. It is primarily used to plasticize vinyl resin where good processing characteristics are needed and the finished product requires improved low temperature flexibility and low volatility. Compared to DOP, DINP & DINCH, Plastitol® DOTP-M offers improved low temperature performance. The addition of Plastitol® DOTP-M to plastisols and organosols lowers initial viscosity and leads to longer shelf life.

Applications:

Plastitol® DOTP-M is recommended for use in selected consumer goods, Medical Products, Food Packaging, Baby Toys, Sports goods, Gloves, Film & Sheet, coated fabrics, flooring, wall coverings, wire & cable, etc.

Safety:

Plastitol® DOTP-M does not require special handling. Handle in accordance with good industrial hygiene and safety practices. Avoid

eye contact by wearing personal protective equipment. If eye contact occurs, wash with flowing water and contact physician. Avoid repeated or prolonged skin contact. Avoid breathing vapors by providing adequate ventilation. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Storage : Plastitol® DOTP-M can be stored for two years at temperature below 40°C, Avoid moist place.

Packaging: Plastitol® DOTP-M is available in bulk in iso-tanks, in flexi, in IBC and in drums.