
315 Co-free/DMT Derivate

The product 315 Co-free/DMT Derivate is a mixture composed of residues that result from the production of Dimethylterephthalate (DMT). The composition of the mixture varies depending on the operating parameters. The mixture consists mainly of several high-boiling components (HB) whose chemical composition and structure are not known in any more detail. These materials are produced via secondary reactions during the DMT production process and are formed during decomposition reactions of components containing DMT.

The product 315 Co-free/DMT Derivate is transported as a hot melt via special tanker.

CAS no: 68988-22-7
 EINECS no: 273-521-6
 Packaging: Special tanker

Specifications

<u>Components</u>	<u>CAS no.</u>	<u>Value/unit [%]</u>
Dimethylterephthalate (DMT)	120-61-6	3-10%
Dimethylisophthalate (DMI)	1459-93-4	0-1%
Trimethyl 1,2,4-benzenetricarboxylate (TMT)	2459-10-1	3-10%
mono-Methylterephthalate (MMT)	1679-64-7	0-3%
Methyl <i>p</i>-toluate (PTE)	99-75-2	0-2%
Biphenyldimethyldicarboxylate		0-6%
(4-Carbomethoxy)benzyl <i>p</i>-toluate		0-5%
Tricarbomethoxy-diphenyl		5-20%
(4-Carbomethoxy)benzylterephthalate		5-25%

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Physical properties

<u>Characteristic</u>	<u>Value (approx.)/unit</u>
Appearance and form	Black-brown melt
Softening point	> 50 °C
Flash point	187 °C
Flammability (solid, gaseous)	Non-flammable
Vapour pressure at 20 °C	0.536 hPa
Density at 25 °C	1.25 g/cm ³
Water solubility	Virtually insoluble
Partition coefficient at 25 °C	Log POW: 3.2
Spontaneous ignition:	Not spontaneously flammable
Thermal decomposition	approx. 400 °C
viscosity at 200 °C	30.00 – 100.00 mPa x s
Ignition temperature	540 °C

For safety data, transport classes and toxicological data, see the safety data sheet.
We can provide further parameters on request.