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TECHNICAL DATA SHEET

Chemical Name: Bisphenol-A bis(diphenyl phosphate) (BDP)

Molecular Formula: C₃₉H₃₄O₈P₂

Product appearance: Colorless to yellowish liquid

CAS No.: 5945-33-5

● Technical Index:

No.	Standards	Index
1	Flashing Point(°C)	330-340
2	Viscosity (40°C),mPa·s	2200-2500
3	Freezing Point (°C)	4-5
4	Acidity (mgKOH/g)	<0.2
5	Moisture content %	<0.1
6	Specific gravity (20°C)	1.250-1.270

● Applications & Features:

Bisphenol-A bis(diphenyl phosphate), known as BDP liquid flame retardant, is a halogen-free additive widely used in plastics, rubbers, coatings, textiles, and more to enhance flame retardancy and reduce fire hazards. It offers good heat stability, improving heat resistance in polymers, with low volatility and toxicity for reduced environmental impact. BDP is utilized in construction, electronics, and electrical applications to enhance fire resistance and safety. Its applications span various industries including automotive, aerospace, and furniture, providing effective fire protection without producing harmful substances. In essence, BDP is a versatile and eco-friendly flame retardant with broad industry applications, valued for its advantageous properties.

● Storage & Packages

Bisphenol-A bis(diphenyl phosphate) should be sealed and stored in a cool, dry, and ventilated place, kept moisture-proof and waterproof, and far away from kindling material and heat sources. Galvanized drum, 250kg net each, 1000kg square IBC package.