

Bis(2-Propylheptyl) Phthalate (DPHP)

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
53306-54-0	258-469-4	Not assigned in stated reference	C ₂₈ H ₄₆ O ₄ ; 446.66 g/mol

Product Description

DPHP is a branched C10 phthalate ester used in industrial flexible-PVC formulation development. The supplied grade controls ester content, color, acid value and density at 20°C.

Specifications

Parameter	Specification
Appearance	Transparent, colorless liquid
Ester content	≥99.5 %
Color, Pt-Co	≤30
Acid value	≤0.1 mg KOH/g
Density at 20°C	0.961 ±0.003 g/cm ³

Applications

- Flexible PVC compounds: Evaluate plasticization and processing in the intended PVC compound.
- Technical films and profiles: Compare mechanical properties and migration requirements in qualified technical PVC products.
- Compound qualification: Assess the complete formulation against the destination-market and end-use requirements.

Packaging and Storage

Packaging	200 kg drums.
Storage	Keep tightly closed in a cool, ventilated place protected from sunlight and excessive heat. Use compatible containers and prevent contamination. Avoid strong oxidizers; prevent oily-liquid release.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration. Industrial use only. The matched reference advises against toys and childcare articles. Assess the intended polymer, destination rules and restricted-substance requirements; no general consumer-use approval is implied.

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The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.