

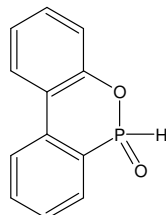
DO11

Technical Data Sheet

DO11

9,10- Dihydro-9-oxa-10-phosphaphenanthrene-10-oxide

Synonyms: 6H-dibenz[c,e][1,2]oxaphosphorin-6-oxide, DOPO



Registration	
CAS No.	35948-25-5
EINECS No.	252-813-7

Handling and Safety
Storage at dry condition. Under appropriate conditions the shelf life is 3 years. Avoid skin and eye contact. Wear protective clothing. Avoid dust formation. For more information see material safety data sheet.

Standard Packaging
Big Bag or Paper Bag

Chemical & Physical Properties	
General Formula	C ₁₂ H ₉ O ₂ P
Molecular Weight (g/mol)	216
Appearance	white flakes
Assay (%)	min. 98
Melting point (°C)	116 – 120
Bulk density (g/l)	500 - 700
Water solubility (20 °C)	hardly soluble
Phosphorus content (%)	14.0 – 14.6
o-PP content (%)	max. 0.2
Chloride content (mg/kg)	max. 30

Description
DO11 is a halogen-free flame retardant, which takes effect as a gas phase inhibitor.

Applications
DO11 is especially suited for polyesters and epoxy-systems, where DO11 is used as intermediate. It is most effective as flame retardant where a gas / vapor phase radical inhibitor is required.

November 2014

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