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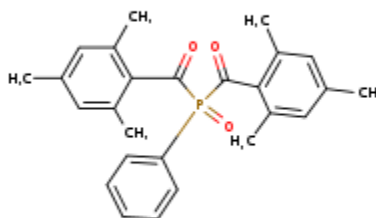
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Trade registration nr. 50769421 Chamber of Commerce Utrecht

Technical Data Sheet

22 June 2022

Product name:	PI-819
Product Form:	solid
Chemical name:	Bis-trimethylbenzoyl phenylphosphine oxide
Synonym:	Methanone, 1,1'-(phenylphosphinylidene)bis(1-(2,4,6-trimethylphenyl)-; Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-
CAS No:	162881-26-7
EINECS No:	423-340-5
Molecular formula:	C ₂₆ H ₂₇ O ₃ P
Molecular weight:	418.5
Structure formula:	



Chemical Specification

Appearance	Slightly yellow powder
Assay (%)	99.0 min.
Melting point (°C)	129.0 – 133.0
Loss on drying (%)	0.20 max.
Ash (%)	0.10 max.

Packing: In 20kgs net carton, 30cartons(600kgs net) on pallet

Shelf life: 12months

Features and application:

It is suitable for ultraviolet curing varnish and varnish systems, such as wood, paper, metal, plastic, fiber, and printing inks and preimpregnation systems. However, due to patent reasons, this product has not been licensed by the dentist. In opaque white and colored private paint, the very low added PI-819 can provide excellent curing effect and yellow resistance. And 819's excellent absorption ability can make it also have applications in deep curing. 819 can be used in conjunction with other light initiators, such as 184. The recombination of 819 with the latter is particularly suitable for solidified polyester / styrene resin systems used in fiberglass reinforced materials. Due to its photosensitivity in Boboduan, 819 can be used in conjunction with ultraviolet absorbers, such as the UV-400.

Recommended Addition: Acrylic & amp; Unsaturated polyester / styrene varnish 0.1 ~ 0.2 % 819 +1 ~ 2 % 184

Acrylic & amp; Unsaturated Polyester / Styrene White Private Paint 0.5 ~ 1.0 % 819 +1 ~ 2 % 184

Acrylic colored system 0.5 ~ 1.0 % 819 +1 ~ 2 % 1060

White screen printing ink 0.5 ~ 1.0 % 819 +1 ~ 2 % 184

Glass Fiber Enhancement Acrylic & amp; Unsaturated polyester / styrene prepolymer 0.2 ~ 0.4 % 819

Storage requirements:

This product should be sealed and stored in closed, dry, dark, avoid sunlight.