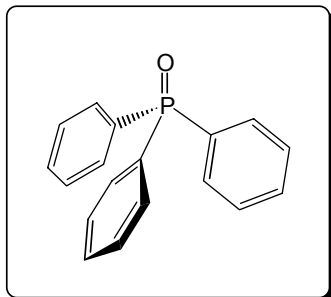


TPPO (Triphenylphosphine Oxide)

PRODUCT INFORMATION

DESCRIPTION

Arkema Inc. Triphenylphosphine oxide [CAS# 791-28-6] is a white to tan solid with the following properties:



TYPICAL PROPERTIES

Formula	$C_{18}H_{15}PO$
Molecular Weight	278.29
Melting Point ($^{\circ}C$)	78.5-81.5
Solubility	Please see solubility table.

PRODUCT FEATURES

Triphenylphosphine oxide has excellent shelf stability.

Triphenylphosphine oxide is a weakly coordinating ligand.

RECOMMENDED USES

Triphenylphosphine oxide can be used as a crystallizing agent in flame retardant applications or as an epoxy cure catalyst.

PACKAGING

Triphenylphosphine Oxide is available in 150 lb drums and 1100 lb totes.

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SOLUBILITY IN SELECTED SOLVENTS

Solvents (bp °C)		Solubility (gm / 100 gm Solvent)		
		@ 25 °C	@ 50 °C	@ 60 °C
<i>Methanol</i>	(65)	>33	---	---
<i>THF</i>	(67)	17	>33	---
<i>Benzene</i>	(80)	>16	---	---
<i>Cyclohexane</i>	(81)	<0.002	<0.5	---
<i>Isopropanol</i>	(82)	>33	---	---
<i>Heptane</i>	(98)	<0.002	<0.4	>0.5
<i>Toluene</i>	(111)	9	14	---
<i>Octane</i>	(126)	<0.01	<0.03	---
<i>Xylene</i>	(136)	6	---	---

THERMAL STABILITY

TGA (10 °C/min.)	Weight Loss
190°	Onset
250°	8%
300°	60%
318°	Total

TGA Isothermal @285 °C	
1 Minute	20.5%
2 Minutes	31.5%

NOTE: Please consult the MSDS for updated and detailed safety and health information.

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See MSDS for Health & Safety Considerations
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