

Product Information Bulletin

BENZENE PHOSPHORUS OXYDICHLORIDE

Code 21804

Synonyms:

Phenylphosphonic Dichloride;
Phenyldichlorophosphine Oxide

Abbreviation:

BPOD

Description:

Clear colorless to light yellow liquid.

CAS Registry Number:

824-72-6

Empirical Formula:

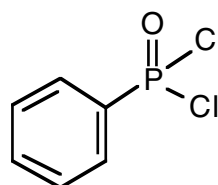
C₆H₅Cl₂OP

HS Tariff Number:

2931.00

Molecular Weight:

194.98

Structure:**Chemical Properties:**

Reacts with numerous compounds containing an active hydrogen atom. Hydrolyzes in water to form benzene phosphonic acid. Both chlorines react readily with alcohols, phenols and amines to form corresponding neutral esters and amides. Aromatic substitution reactions on the phenyl moiety.

Availability:

Commercial Quantities.

Specifications:

Assay	92.0% minimum
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Physical Properties:

Boiling Range (760 mmHg)	496.4°F/258°C
Melting Point:	37.4°F/3°C
Specific Gravity (25/25°C):	1.394
Refractive Index (25°C/D):	1.5585
Flash Point (Setaflash CC):	215°F/102°C
Autoignition Temperature:	>230°F/110°C
Solubility:	Insoluble (decomposes) in water. Soluble in common inert organic solvents.

For Additional Information and Handling Instructions Read Cytec Industries Inc. Material Safety Data Sheet.

IMPORTANT NOTICE

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