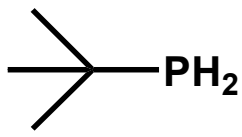


**ORGANOPHOSPHINE DERIVATIVES*****tert*-Butylphosphine**

Ver. 1.0

<b>Product Name</b>	<b>HISHICOLIN P-M4</b>
<b>Chemical Name</b>	<i>tert</i> -Butylphosphine
<b>Description</b>	<i>tert</i> -Butylphosphine, a commercial product in the organophosphine derivatives line of Nippon Chemical Industrial Co., Ltd. is a pyrophoric liquid.
<b>Application</b>	Raw material used in the synthesis of phosphine ligands, Phosphorus precursor for MOCVD <sup>1)</sup> 1) MOCVD...Metal Organic Chemical Vapor Deposition
<b>Structure</b>	  Formula Weight: 90.1 CAS No.: 2501-94-2 EINECS NO.: 423-330-0 TSCA: registered REACH: not registered
<b>Packing</b>	Hishicolin P-M4 requires a special cylinder for shipment. Please contact our Sales Representatives for specific details.
<b>Physical form</b>	Liquid

Specification	Purity:	$\geq 99.7$ %
	Oxide:	$\leq 0.2$ %
	Iso-butene:	$\leq 0.1$ %
	<Metal>	
	Cu:	$\leq 0.1$ ppm
	Fe:	$\leq 0.1$ ppm
	Ni:	$\leq 0.1$ ppm
	Al:	$\leq 0.1$ ppm
	Zn:	$\leq 0.1$ ppm
	Ca:	$\leq 0.1$ ppm
	Mg:	$\leq 0.1$ ppm
	Si:	$\leq 0.5$ ppm
	S:	$\leq 5.3$ ppm
	As:	$\leq 0.2$ ppm
	Na:	$\leq 0.1$ ppm
K:	$\leq 0.1$ ppm	

**Storage & Handling**      This product is pyrophoric and requires proper exhaust ventilation system equipped with inert gas capability. The Product Safety Data Sheet and our Sales Representatives have further information.

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Specialty Products Sales Dept.

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