

## ORGANOPHOSPHINE DERIVATIVES

### Tri-*n*-butyldodecylphosphonium chloride (50wt.% *aq.*)

Ver. 1.0

<b>Product Name</b>	<b>HISHICOLIN PX-412C</b>										
Chemical Name	Tri- <i>n</i> -butyldodecylphosphonium chloride (50wt.% <i>aq.</i> )										
Description	Tri- <i>n</i> -butyldodecylphosphonium chloride (50wt.% <i>aq.</i> ) , a commercial product in the organophosphine derivatives line of Nippon Chemical Industrial Co., Ltd. is a colorless to pale yellow liquid.										
Application	Raw material used in the synthesis of anion substituted phosphonium salts, Anti-bacterial agent										
Structure	$\left[ \begin{array}{c} \text{C}_4\text{H}_9 \\   \\ \text{C}_4\text{H}_9 - \text{P}^+ - \text{C}_{12}\text{H}_{25} \\   \\ \text{C}_4\text{H}_9 \end{array} \right] \text{Cl}^-$										
	<table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">Formula Weight:</td> <td>407.1</td> </tr> <tr> <td>CAS No.:</td> <td>13497-50-2</td> </tr> <tr> <td>EINECS NO.:</td> <td>not registered</td> </tr> <tr> <td>TSCA:</td> <td>not registered</td> </tr> <tr> <td>REACH:</td> <td>not registered</td> </tr> </table>	Formula Weight:	407.1	CAS No.:	13497-50-2	EINECS NO.:	not registered	TSCA:	not registered	REACH:	not registered
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CAS No.:	13497-50-2										
EINECS NO.:	not registered										
TSCA:	not registered										
REACH:	not registered										
Packing	180kg/ drum										
Physical form	Liquid										

Specification	Content:	50-52 %
	pH:	6-9
	Density:	0.94-0.97 g/ml
	Appearance:	Colorless to pale yellow, transparent liquid

**Storage & Handling**      This product is stable under ordinary conditions of use and storage.  
Please refer to Safety Data Sheet for detail.

**Asia: Nippon Chemical Industrial Co.,Ltd**

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