

# Phosphorus trichloride PF

<b>CHEMICAL NAME</b>	phosphorus (III) trichloride
<b>CAS NUMBER</b>	7719-12-2
<b>FUNCTION</b>	Raw Materials & Intermediates
<b>TECHNICAL REQUIREMENTS</b>	<p>Appearance at 20-25°C.....colourless, clear liquid</p> <p>Density at 25°C, g/cm<sup>3</sup> .....1.570-1.580</p> <p>Phosphorus (III) trichloride, %(w/w).....min. 99.5</p> <p>Arsenic content, As, mg/kg .....max. 5</p> <p>Lead content, Pb, mg/kg .....max. 1</p> <p>Iron content, Fe, mg/kg .....max. 2</p>
<b>GENERAL DATA</b>	<p>Solubility in water at 20°C, mg/L..... reacts violently producing high heat of reaction</p> <p>Molecular weight, g/mol .....approx. 137</p> <p>Boiling point, °C ..... 78</p> <p>Solidification point, °C ..... -111.8</p> <p>Odour.....pungent, similar to hydrogen chloride</p>
<b>APPLICATION</b>	Intermediate for pharmaceutical industry.