

# Phosphorus oxychloride

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| <b>CHEMICAL NAME</b>          | Phosphorus oxychloride   |
| <b>CAS NUMBER</b>             | 10025-87-3   |
| <b>FUNCTION</b>               | Raw Materials & Intermediates  |
| <b>TECHNICAL REQUIREMENTS</b> | <p>Appearance at 20-25°C ..... colourless or straw liquid<br/>with acceptable opalescence<br/>without sediment</p> <p>Density at 20°C, g/cm<sup>3</sup> ..... 1.672-1.678</p> <p>Phosphorus oxychloride, %(w/w) ..... min. 99.50</p>   |
| <b>GENERAL DATA</b>           | <p>Solubility in water ..... reacts violently<br/>producing high heat of reaction</p> <p>Molecular weight, g/mol ..... approx. 153</p> <p>Boiling point, °C ..... 105.3</p> <p>Solidification point, °C ..... 1.2</p> <p>Odour ..... pungent</p> <p>Crystallization temperature, °C ..... min. 0.5</p> |
| <b>APPLICATION</b>            | Intermediate for chemical industry.  |