

ROFLAM P

CHEMICAL NAME	Tris(2-chloro-1-methylethyl) phosphate (Reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and Phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl ester and Phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester)
CAS NUMBER	1244733-77-4
FUNCTION	Flame retardant
TECHNICAL REQUIREMENTS	<p>Appearance at 20-25°C..... homogenous, colourless liquid</p> <p>Hazen colour..... max. 50</p> <p>Acid value, mg KOH/g..... max. 0.10</p> <p>Water content, % (w/w) max. 0.10</p> <p>Viscosity at 25 °C, mPa·s..... 61-89</p>
GENERAL DATA	<p>Molecular weight, g/mol327.5</p> <p>Solubility in water at 20 °C, g/L poor</p> <p>Other solvents..... methanol, acetone</p> <p>Flash point, °C min. 215</p> <p>Solidification point, °C below -20</p> <p>Density at 25 °C, g/cm³..... 1.28-1.30</p> <p>Refraction Index n_D^{25}1.462-1.465</p> <p>Odour..... weak, characteristic</p>
APPLICATION	Used in the plastics industry as a substance reducing combustibility especially in polyurethanes. It is also recommended for epoxy resins, unsaturated polyester resins as well as for phenolics.