

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	Appearance at 20-25°C..... homogenous, colourless liquid Hazen colour..... max. 50 Acid value, mg KOH/g..... max. 0.10 Water content, % (w/w) max. 0.10 Viscosity at 25 °C, mPa·s..... 61-89
GENERAL DATA	Molecular weight, g/mol327.5 Solubility in water at 20 °C, g/L poor Other solvents..... methanol, acetone Flash point, °C min. 215 Solidification point, °C below -20 Density at 25 °C, g/cm ³ 1.28-1.30 Refraction Index n_D^{25} 1.462-1.465 Odour..... weak, characteristic
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.