

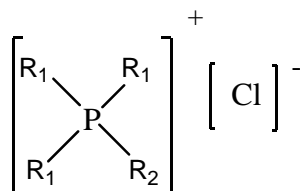
CYPHOS® IL 167

Chemical Name: tributyl(tetradecyl)phosphonium chloride

Chemical Abstracts Number: [81741-28-8]

Molecular Formula: C₂₆H₅₆ClP

Formula Weight: 435.15



R₁ = butyl; R₂ = tetradecyl

Properties:

Assay (% by ³¹ P NMR)	97.1
Water (% by K.F.)	0.62
Total halide content (ppm)	-
Physical State (R.T.)	Solid
Melting Point (°C)	45
Glass Transition Temp. (°C)	
Density (25 °C - g/cc)	
Viscosity (40 °C – mPa.s or cP)	

Co-Solvent Miscibility:

<u>Solvent</u>	<u>Miscible(Y/N)⁽¹⁾</u>
Water	N
2-hydroxypropane (IPA)	Y
Tetrahydrofuran	Y
Dichloromethane	Y
Diethylether	Y
Toluene	Y
Hexane	N

(1) Visual observation of a 1:1 mixture

(2) Supercooled

Date: 7/14/08

CYPHOS IL 167 Scholarly References

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