

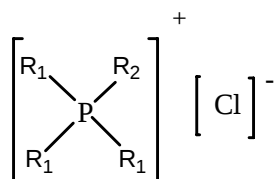
CYPHOS[®] IL 101

Chemical Name: trihexyl(tetradecyl)phosphonium chloride

Chemical Abstracts Number: [258864-54-9]

Molecular Formula: C₃₈H₆₈ClP

Formula Weight: 519.31



R₁ = hexyl R₂ = tetradecyl

Properties:

Assay (% by ³¹P NMR):	97.7
Water (% by K.F.):	-
Physical State (R.T.):	Liquid
Melting Point (° C):	Not observed
T-10 (°C, in Air @ 20 °C/min.):	303
Glass Transition Temperature (°C):	-69.8
Density (25 °C - g/cc):	0.8819
Viscosity (25 °C – mPa.s or cP):	1824

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	Y

(1) Visual observation of a 1:1 mixture
Date: 6/17/08

CYPHOS IL 101 Scholarly References

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