

Technical Data Sheet

Trihexyltetradecylphosphonium chloride

Revision Date: 12/22/2011

Date Issued: 2/8/2022

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Trihexyltetradecylphosphonium chloride
Product code	IN-0006
CAS	258864-54-9
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Emergency telephone	+49 (0)179-5322578
Email	info@iolitec.de

ROCO

Distributor

1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ Info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Trihexyltetradecylphosphonium chloride
CAS No.	258864-54-9
Empirical Formula	$C_{32}H_{68}ClP$
Structure	
Molecular weight	519.31 g/mol
Purity	>95%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	not available
Glass transition temperature	-70 °C
Decomposition temperature	not available
Density (25 °C)	0.88 g/cm ³
Viscosity (25 °C)	1824 mPa * s
Heat capacity (20 °C)	not available
Conductivity (25 °C)	4.63 mS/cm
Electrochemical stability window	3.8 V
Anodic limit	1.4 V
Cathodic limit	-2.4 V

4 CO-SOLVENT MISCIBILITY

Water	not miscible
Acetone	miscible
Acetonitrile	miscible
Isopropanol	miscible
Toluene	miscible
Hexane	miscible

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5 ORDER INFORMATION

IN-0006-HP can be obtained in the following standard quantities:

Quantity	Price
25 g	Please enquire
50 g	Please enquire
100 g	Please enquire
250 g	Please enquire
500 g	Please enquire
1 kg	Please enquire
Bulk	Please enquire

Please send your order via email to order@iolitec.de or fax +49 (0)7131 – 89839109.

6 OTHER INFORMATION

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