

Technical Data Sheet

Trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)imide

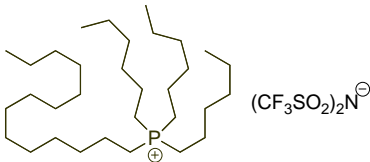
Revision Date: 12/22/2011

Date Issued: 2/8/2022

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

Product name	Trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)imide
Product code	IN-0021
CAS	460092-03-9
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

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)imide
CAS No.	460092-03-9
Empirical Formula	$C_{34}H_{68}F_6NO_4PS_2$
Structure	
Molecular weight	763.24 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	-72 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density (23 °C)	1.065 g/cm ³
Viscosity (25 °C)	286 mPa * s
Heat capacity (20 °C)	not available
Conductivity (30 °C)	0.155 mS/cm
Electrochemical stability window	4.4 V
Anodic limit	2.5 V
Cathodic limit	-1.9 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-0021-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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