

Technical Data Sheet

1-Butyl-3-methylimidazolium hexafluorophosphate

Revision Date: 1/19/2012

Date Issued: 2/7/2022

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

Product name	1-Butyl-3-methylimidazolium hexafluorophosphate
Product code	IL-0011
CAS	174501-64-5
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

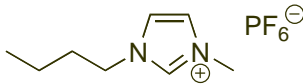
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ Info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Butyl-3-methylimidazolium hexafluorophosphate
CAS No.	174501-64-5
Empirical Formula	C ₈ H ₁₅ F ₆ N ₂ P
Structure	
Molecular weight	284.18 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless
Physical state (25 °C)	liquid
Melting point	-8 °C
Glass transition temperature	-76 °C
Decomposition temperature	>200 °C
Density (25 °C)	1.37 g/cm ³
Viscosity (25 °C)	310 mPa * s
Heat capacity (25 °C)	398 J/(mol * K)
Conductivity (20 °C)	1.37 mS/cm
Electrochemical stability window	4.0 V
Anodic limit	2.2 V
Cathodic limit	-1.8 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0011-UP 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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.