

Technical Data Sheet

1-Ethyl-3-methylimidazolium tetrafluoroborate

Revision Date: 2/13/2012

Date Issued: 2/7/2022

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

Product name 1-Ethyl-3-methylimidazolium
tetrafluoroborate

Product code IL-0006

CAS 143314-16-3

Supplier IoLiTec
Ionic Liquids Technologies GmbH
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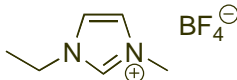
www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name 1-Ethyl-3-methylimidazolium
tetrafluoroborate

CAS No. 143314-16-3

Empirical Formula C₆H₁₁BF₄N₂

Structure 

Molecular weight 197.97 g/mol

Purity >98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	15 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density (24 °C)	1.282 g/cm ³
Viscosity (25 °C)	33.8 mPa * s
Heat capacity (20 °C)	306.5 J/(mol * K)
Conductivity (25 °C)	14.1 mS/cm
Electrochemical stability window	3.6 – 4.0 V
Anodic limit	1.8 V
Cathodic limit	-1.8 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

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