

Technical Data Sheet

1-Methyl-3-octylimidazolium tetrafluoroborate

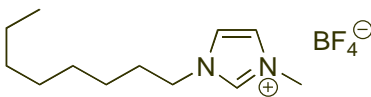
Revision Date: 2/13/2012

Date Issued: 2/7/2022

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

Product name	1-Methyl-3-octylimidazolium tetrafluoroborate
Product code	IL-0021
CAS	244193-52-0
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	1-Methyl-3-octylimidazolium tetrafluoroborate
CAS No.	244193-52-0
Empirical Formula	C ₁₂ H ₂₃ BF ₄ N ₂
Structure	
Molecular weight	282.13 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	-35°C
Glass transition temperature	-79 °C
Decomposition temperature	not available
Density (19 °C)	1.106 g/cm ³
Viscosity (25 °C)	232 mPa * s
Heat capacity (25 °C)	not available
Conductivity (30 °C)	1.266 mS/cm
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-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

DISCLAIMER

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