

Technical Data Sheet

1-Hexyl-3-methylimidazolium tetrafluoroborate

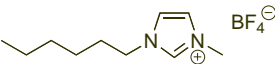
Revision Date: 03/05/2013

Date Issued: 2/7/2022

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

Product name	1-Hexyl-3-methylimidazolium tetrafluoroborate
Product code	IL-0019
CAS	244193-50-8
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-Hexyl-3-methylimidazolium tetrafluoroborate
CAS No.	244193-50-8
Empirical Formula	C ₁₀ H ₁₉ BF ₄ N ₂
Structure	
Molecular weight	254.08 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	-82 °C
Glass transition temperature	-79 °C
Decomposition temperature	>200 °C
Density (24 °C)	1.15 g/cm ³
Viscosity (20 °C)	288 mPa * s
Heat capacity (25 °C)	not available
Conductivity (20 °C)	1.18 mS/cm
Electrochemical stability window	5.1 V
Anodic limit	2.7 V
Cathodic limit	-2.4 V

4 CO-SOLVENT MISCIBILITY

Water	not miscible, decomposition in presence of water
Acetone	miscible
Acetonitrile	not available
Isopropanol	miscible
Toluene	not miscible
Hexane	not miscible

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5 ORDER INFORMATION

IL-0019-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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.