

Technical Data Sheet

1-Butyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide

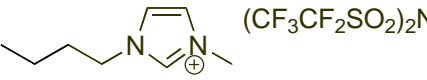
Revision Date: 2/28/2018

Date Issued: 10/21/2024

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

Product name	1-Butyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide
Product code	IL-0321
CAS	n/a
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-Butyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide
CAS No.	n/a
Empirical Formula	C ₁₂ H ₁₅ F ₁₀ N ₃ O ₄ S ₂
Structure	
Molecular weight	519.37 g/mol
Purity	99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	low melting solid
Melting point	34 °C
Freezing point	-26 °C
Glass transition temperature	n/a
Decomposition temperature	362 °C (under dry nitrogen)
Density (20 °C)	n/a
Viscosity (40 °C)	59.5 mPa* s
Heat capacity (20 °C)	n/a
Conductivity (30 °C)	1.76 mS/cm
Electrochemical stability window	n/a
Anodic limit	n/a
Cathodic limit	n/a

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0321-HP can be obtained in the following standard quantities:

Quantity	Price
1 g	Please enquire
2 g	Please enquire
5 g	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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