

# Technical Data Sheet

## 1-Butyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide

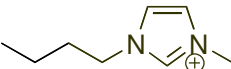
Revision Date: 12/19/2011

Date Issued: 6/11/2015

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

<b>Product name</b>	1-Butyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide
<b>Product code</b>	IL-0321
<b>CAS</b>	n/a
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131-89839-0
<b>Fax</b>	+49 (0)7131-89839-109
<b>Emergency telephone</b>	+49 (0)179-5322578
<b>Email</b>	info@iolitec.de

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	1-Butyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide
<b>CAS No.</b>	n/a
<b>Empirical Formula</b>	C <sub>12</sub> H <sub>15</sub> F <sub>10</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
<b>Structure</b>	 $(\text{CF}_3\text{CF}_2\text{SO}_2)_2\text{N}^\ominus$
<b>Molecular weight</b>	519.37 g/mol
<b>Purity</b>	>98%

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### 3 PROPERTIES

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

### 4 CO-SOLVENT MISCIBILITY

<b>Water</b>	not miscible
<b>Acetone</b>	miscible
<b>Acetonitrile</b>	miscible
<b>Isopropanol</b>	not available
<b>Toluene</b>	not available
<b>Hexane</b>	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](mailto:order@iolitec.de) or fax +49 (0)7131 – 89839109.

### 6 OTHER INFORMATION

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