

Technical Data Sheet

1-Butyl-1-methylpyrrolidinium trifluoromethanesulfonate

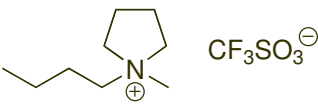
Revision Date: 1/19/2012

Date Issued: 2/15/2012

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

Product name	1-Butyl-1-methylpyrrolidinium trifluoromethanesulfonate
Product code	IL-0113
CAS	367522-96-1
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 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-1-methylpyrrolidinium trifluoromethanesulfonate
CAS No.	367522-96-1
Empirical Formula	$C_{10}H_{20}F_3NO_3S$
Structure	
Molecular weight	291.33 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	<25 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density (27 °C)	1.25 g/cm ³
Viscosity (25 °C)	148 mPa * s
Heat capacity (25 °C)	not available
Conductivity (24 °C)	1.85 mS/cm
Electrochemical stability window	4.2 V
Anodic limit	2.2 V
Cathodic limit	-2.0 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0113-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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