

Technical Data Sheet

1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide

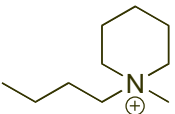
Revision Date: 1/19/2012

Date Issued: 3/3/2022

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

Product name	1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide
Product code	IL-0154
CAS	623580-02-9
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-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide
CAS No.	623580-02-9
Empirical Formula	C ₁₂ H ₂₂ F ₆ N ₂ O ₄ S ₂
Structure	 (CF₃SO₂)₂N[⊖]
Molecular weight	436.44 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow
Physical state (25 °C)	liquid
Melting point	not available
Glass transition temperature	-76 °C
Decomposition temperature	not available
Density (23 °C)	1.382 g/cm ³
Viscosity (20 °C)	183.2 mPa * s
Heat capacity (25 °C)	not available
Conductivity (25 °C)	0.835 mS/cm
Electrochemical stability window	3.7 V
Anodic limit	2.4 V
Cathodic limit	-1.3 V

4 CO-SOLVENT MISCIBILITY

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

5 ORDER INFORMATION

IL-0154-HP can be obtained in the following standard quantities:

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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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