

Technical Data Sheet

1-Propyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

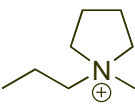
Revision Date: 12/22/2011

Date Issued: 3/8/2016

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

Product name	1-Propyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide
Product code	IL-0044
CAS	223437-05-6
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-Propyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide
CAS No.	223437-05-6
Empirical Formula	C ₁₀ H ₁₈ F ₆ N ₂ O ₄ S ₂
Structure	 (CF₃SO₂)₂N[⊖]
Molecular weight	408.38 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to orange
Physical state (25 °C)	Liquid
Melting point	12 °C
Glass transition temperature	-90 °C
Decomposition temperature	not available
Density (29 °C)	1.428 g/cm ³
Viscosity (20 °C)	47 mPa * s
Heat capacity (20 °C)	550.7 J/(mol * K)
Conductivity (30 °C)	4.924 mS/cm
Electrochemical stability window	5.9 V
Anodic limit	2.7 V
Cathodic limit	-3.2 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0044-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.