

Technical Data Sheet

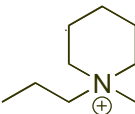
1-Propyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide

Revision Date: 1/19/2012
Date Issued: 10/13/2014

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

Product name	1-Propyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide
Product code	IL-0045
CAS	608140-12-1
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-Propyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide
CAS No.	608140-12-1
Empirical Formula	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂
Structure	 $(\text{CF}_3\text{SO}_2)_2\text{N}^\ominus$
Molecular weight	422.41 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	liquid
Melting point	8°C
Glass transition temperature	not available
Decomposition temperature	>250 °C
Flash point	>330 °C
Pourpoint	~ 12 °C
Density (23 °C)	1.413 g/cm ³
Viscosity (25 °C)	175.5 mPa * s
Viscosity (40 °C)	65.7 mPa * s
Viscosity (85 °C)	16.4 mPa *s
Heat capacity (25 °C)	not available
Conductivity (30 °C)	2.124 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	not available
Isopropanol	miscible
Toluene	miscible
Hexane	not miscible

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5 ORDER INFORMATION

IL-0045-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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