

Technical Data Sheet

1-Ethyl-3-methylimidazolium trifluoromethanesulfonate

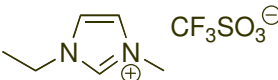
Revision Date: 2/13/2012

Date Issued: 2/14/2012

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

Product name	1-Ethyl-3-methylimidazolium trifluoromethanesulfonate
Product code	IL-0009
CAS	145022-44-2
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-Ethyl-3-methylimidazolium trifluoromethanesulfonate
CAS No.	145022-44-2
Empirical Formula	C ₇ H ₁₁ F ₃ N ₂ O ₃ S
Structure	
Molecular weight	260.24 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	-9 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density (25 °C)	1.39 g/cm ³
Viscosity (25 °C)	40 mPa * s
Heat capacity (50 °C)	386 J/(mol * K)
Conductivity (25 °C)	9.2 mS/cm
Electrochemical stability window	3.9 V
Anodic limit	2.1 V
Cathodic limit	-1.8 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-0009-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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