

Technical Data Sheet

1,3-Diethylimidazolium bis(trifluoromethylsulfonyl)imide

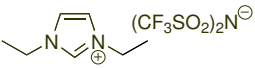
Revision Date: 12/19/2011

Date Issued: 3/20/2013

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

Product name	1,3-Diethylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0188
CAS	174899-88-8
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	1,3-Diethylimidazolium bis(trifluoromethylsulfonyl)imide
CAS No.	174899-88-8
Empirical Formula	C ₉ H ₁₃ F ₆ N ₃ O ₄ S ₂
Structure	
Molecular weight	405.34 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	14 °C
Glass transition temperature	not available
Decomposition temperature	>200 °C
Density (25 °C)	1.45 g/cm ³
Viscosity (25 °C)	27.9 mPa * s
Heat capacity (20 °C)	not available
Conductivity (20 °C)	7.27 mS/cm
Electrochemical stability window	4.8 V
Anodic limit	2.5 V
Cathodic limit	-2.3 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0188-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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.