

Technical Data Sheet

1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide

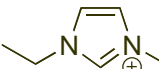
Revision Date: 12/19/2011

Date Issued: 10/21/2024

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

Product name	1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide
Product code	IL-0320
CAS	216299-76-2
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-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide
CAS No.	216299-76-2
Empirical Formula	C ₁₀ H ₁₁ F ₁₀ N ₃ O ₄ S ₂
Structure	 $(\text{CF}_3\text{CF}_2\text{SO}_2)_2\text{N}^-$
Molecular weight	491.32 g/mol
Purity	>98%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	Liquid
Melting point	-1°C
Glass transition temperature	-85 °C
Decomposition temperature	n/a
Density (20 °C)	n/a
Viscosity (26 °C)	61 mPa * s
Heat capacity (20 °C)	n/a
Conductivity (26 °C)	3.4 mS/cm
Electrochemical stability window	n/a
Anodic limit	n/a
Cathodic limit	n/a

4 CO-SOLVENT MISCIBILITY

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

5 ORDER INFORMATION

IL-0320-HP can be obtained in the following standard quantities:

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Quantity	Price
1 g	Please enquire
2 g	Please enquire
5 g	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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