

Technical Data Sheet

1-Butyl-3-methylimidazolium bis(fluorosulfonyl)imide

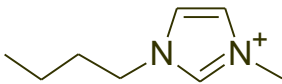
Revision Date: 6/26/2020

Date Issued: 2/7/2025

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

Product name	1-Butyl-3-methylimidazolium bis(fluorosulfonyl)imide
Product code	IL-0345
CAS	1235234-58-8
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-Butyl-3-methylimidazolium bis(fluorosulfonyl)imide
CAS No.	1235234-58-8
Empirical Formula	C ₈ H ₁₅ F ₂ N ₃ O ₄ S ₂
Structure	 (FSO ₂) ₂ N ⁻
Molecular weight	319.35 g/mol
Purity	>99%

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3 PROPERTIES

Color	colorless to yellow
Physical state (25 °C)	liquid
Melting point	-53°C
Glass transition temperature	not available
Decomposition temperature	not available
Density	1.3597 g/mL
Viscosity	34.8 mPa*s
Heat capacity	not available
Conductivity	1.042 mS/cm
Electrochemical stability window	4.7 V
Anodic limit	2.1 V
Cathodic limit	-2.6 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0345-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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