

Technical Data Sheet

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

Revision Date: 1/19/2012

Date Issued: 2/7/2022

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

Product name	1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0029
CAS	174899-83-3
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

ROCO

Distributor

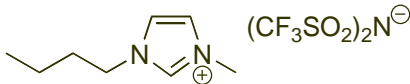
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
CAS No.	174899-83-3
Empirical Formula	C ₁₀ H ₁₅ F ₆ N ₃ O ₄ S ₂
Structure	
Molecular weight	419.37 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	liquid
Melting point	-4 °C
Glass transition temperature	-86 °C
Decomposition temperature	>200 °C
Density (19 °C)	1.44 g/cm ³
Viscosity (25 °C)	49 mPa * s
Heat capacity (25 °C)	536 J/(mol * K)
Conductivity (20 °C)	3.41 mS/cm
Electrochemical stability window	4.6 V
Anodic limit	2.5 V
Cathodic limit	-2.1 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0029-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.