

Technical Data Sheet

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

Revision Date: 12/19/2011

Date Issued: 2/7/2022

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

Product name	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0023
CAS	174899-82-2
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

ROCO

Distributor

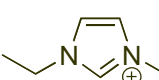
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ Info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
CAS No.	174899-82-2
Empirical Formula	C ₈ H ₁₁ F ₆ N ₃ O ₄ S ₂
Structure	 $(\text{CF}_3\text{SO}_2)_2\text{N}^\ominus$
Molecular weight	391.31 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	Liquid
Melting point	-17 °C
Glass transition temperature	-98 °C
Decomposition temperature	250 °C
Density (20 °C)	1.52 g/cm ³
Viscosity (20 °C)	39.4 mPa * s
Heat capacity (20 °C)	507 J/(mol * K)
Conductivity (20 °C)	6.63 mS/cm
Electrochemical stability window	4.7 V
Anodic limit	2.6 V
Cathodic limit	-2.1 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0023-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.