

Technical Data Sheet

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

Product code IL-0098

CAS 382150-50-7

Supplier IoLiTec
Ionic Liquids Technologies GmbH
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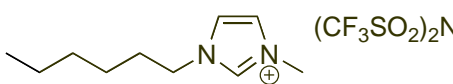
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name 1-Hexyl-3-methylimidazolium
bis(trifluoromethylsulfonyl)imide

CAS No. 382150-50-7

Empirical Formula C₁₂H₁₉F₆N₃O₄S₂

Structure 

Molecular weight 447.42 g/mol

Purity >99%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	-7 °C
Glass transition temperature	-84 °C
Decomposition temperature	not available
Density (29 °C)	1.369 g/cm ³
Viscosity (20 °C)	88 mPa * s
Heat capacity (47 °C)	672 J/(mol * K)
Conductivity (20 °C)	1.734 mS/cm
Electrochemical stability window	5.3 V
Anodic limit	2.7 V
Cathodic limit	-2.6 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-0098-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.