

Technical Data Sheet

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

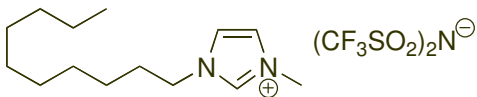
Revision Date: 12/22/2011

Date Issued: 12/22/2011

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

Product name	1-Decyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0100
CAS	433337-23-6
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 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-Decyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
CAS No.	433337-23-6
Empirical Formula	C ₁₆ H ₂₇ F ₆ N ₃ O ₄ S ₂
Structure	
Molecular weight	503.53 g/mol
Purity	>98%

Technical Data Sheet

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

Revision Date: 12/22/2011

Date Issued: 12/22/2011

3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	-2 °C
Glass transition temperature	-83 °C
Decomposition temperature	not available
Density (30 °C)	1.27 g/cm ³
Viscosity (24 °C)	137 mPa * s
Heat capacity (20 °C)	not available
Conductivity (24 °C)	0.76 mS/cm
Electrochemical stability window	4.6 V
Anodic limit	2.6 V
Cathodic limit	-2.0 V

4 CO-SOLVENT MISCIBILITY

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

Technical Data Sheet

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

Revision Date: 12/22/2011

Date Issued: 12/22/2011

5 ORDER INFORMATION

IL-0100-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

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY

Technical Data Sheet

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

Revision Date: 12/22/2011

Date Issued: 12/22/2011

DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.