

Technical Data Sheet

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

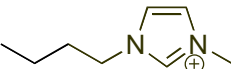
Revision Date: 2/28/2018

Date Issued: 2/8/2022

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

Product name	1-Butyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide
Product code	IL-0321
CAS	n/a
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(perfluoroethylsulfonyl)imide
CAS No.	n/a
Empirical Formula	C ₁₂ H ₁₅ F ₁₀ N ₃ O ₄ S ₂
Structure	 $(\text{CF}_3\text{CF}_2\text{SO}_2)_2\text{N}^\ominus$
Molecular weight	519.37 g/mol
Purity	99%

Technical Data Sheet

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

Revision Date: 2/28/2018

Date Issued: 2/8/2022

3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	low melting solid
Melting point	34 °C
Freezing point	-26 °C
Glass transition temperature	n/a
Decomposition temperature	362 °C (under dry nitrogen)
Density (20 °C)	n/a
Viscosity (40 °C)	59.5 mPa* s
Heat capacity (20 °C)	n/a
Conductivity (30 °C)	1.76 mS/cm
Electrochemical stability window	n/a
Anodic limit	n/a
Cathodic limit	n/a

4 CO-SOLVENT MISCIBILITY

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

Technical Data Sheet

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

Revision Date: 2/28/2018

Date Issued: 2/8/2022

5 ORDER INFORMATION

IL-0321-HP can be obtained in the following standard quantities:

Quantity	Price
1 g	Please enquire
2 g	Please enquire
5 g	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 DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.