

Technical Data Sheet

1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

Revision Date: 12/22/2011

Date Issued: 2/7/2022

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

Product name	1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide
Product code	IL-0035
CAS	223437-11-4
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

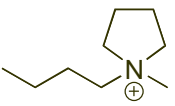
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ Info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide
CAS No.	223437-11-4
Empirical Formula	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂
Structure	 $(\text{CF}_3\text{SO}_2)_2\text{N}^-$
Molecular weight	422.41 g/mol
Purity	>99%

Technical Data Sheet

1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

Revision Date: 12/22/2011

Date Issued: 2/7/2022

3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	Liquid
Melting point	-18 °C
Glass transition temperature	not available
Decomposition temperature	>220 °C
Density (23 °C)	1.40 g/cm ³
Viscosity (20 °C)	94 mPa * s
Heat capacity (20 °C)	not available
Conductivity (20 °C)	2.12 mS/cm
Electrochemical stability window	5.3 V
Anodic limit	2.8 V
Cathodic limit	-2.5 V

4 CO-SOLVENT MISCIBILITY

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

Technical Data Sheet

1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

Revision Date: 12/22/2011

Date Issued: 2/7/2022

5 ORDER INFORMATION

IL-0035-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 USERE'S RESPONISIBILITY 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.