

Technical Data Sheet

1-Butyl-2,3-dimethylimidazolium tetrafluoroborate

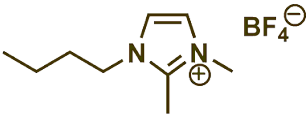
Revision Date: 6/26/2018

Date Issued: 2/7/2022

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

| | |
|----------------------------|---|
| Product name | 1-Butyl-2,3-dimethylimidazolium tetrafluoroborate |
| Product code | IL-0058 |
| CAS | 402846-78-0 |
| 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-2,3-dimethylimidazolium tetrafluoroborate |
| CAS No. | 402846-78-0 |
| Empirical Formula | C ₉ H ₁₇ BF ₄ N ₂ |
| Structure |  |
| Molecular weight | 240.05 g/mol |
| Purity | 99% |

Technical Data Sheet

1-Butyl-2,3-dimethylimidazolium tetrafluoroborate

Revision Date: 6/26/2018

Date Issued: 2/7/2022

3 PROPERTIES

| | |
|---|--------------------------|
| Color | Colorless to yellow |
| Physical state (25 °C) | solid |
| Melting point | 36 °C |
| Glass transition temperature | not available |
| Decomposition temperature | not available |
| Density | 1,2392 g/cm ³ |
| Viscosity (45 °C) | 172 mPa * s |
| Heat capacity | not available |
| Conductivity (45 °C) | 2.16 mS/cm |
| Electrochemical stability window | not available |
| Anodic limit | not available |
| Cathodic limit | not available |

4 CO-SOLVENT MISCIBILITY

| | |
|---------------------|--------------------|
| Water | miscible |
| Acetone | miscible |
| Acetonitrile | miscible |
| Isopropanol | partially miscible |
| Toluene | partially miscible |
| Hexane | not miscible |

Technical Data Sheet

1-Butyl-2,3-dimethylimidazolium tetrafluoroborate

Revision Date: 6/26/2018

Date Issued: 2/7/2022

5 ORDER INFORMATION

IL-0058-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 IS 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.