

Technical Data Sheet

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

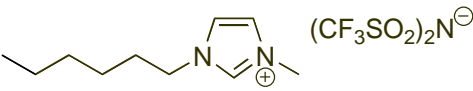
Revision Date: 1/19/2012

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 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-Hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide |
| CAS No. | 382150-50-7 |
| Empirical Formula | C ₁₂ H ₁₉ F ₆ N ₃ O ₄ S ₂ |
| 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

DISCLAIMER

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