

Technical Data Sheet

1-Ethyl-3-methylimidazolium bis(fluorosulfonyl)imide

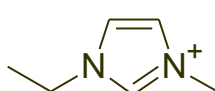
Revision Date: 6/26/2020

Date Issued: 9/19/2023

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

| | |
|----------------------------|---|
| Product name | 1-Ethyl-3-methylimidazolium bis(fluorosulfonyl)imide |
| Product code | IL-0342 |
| CAS | 235789-75-0 |
| 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-Ethyl-3-methylimidazolium bis(fluorosulfonyl)imide |
| CAS No. | 235789-75-0 |
| Empirical Formula | C ₆ H ₁₁ F ₂ N ₃ O ₄ S ₂ |
| Structure |  $(\text{FSO}_2)_2\text{N}^-$ |
| Molecular weight | 291.30 g/mol |
| Purity | >98% |

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3 PROPERTIES

| | |
|--|---------------------|
| Color | colorless to yellow |
| Physical state (25 °C) | liquid |
| Melting point | -23°C |
| Glass transition temperature | not available |
| Decomposition temperature | not available |
| Density (25°C) | 1.4499 g/mL |
| Viscosity (25°C) | 18.9 mPa*s |
| Heat capacity | not available |
| Conductivity (25°C) | 6.176 mS/cm |
| E-chem. stability window (25°C) | 4.54 V |
| Anodic limit (25°C) | 1.96 V |
| Cathodic limit (25°C) | -2.58 V |

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0342-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

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