

Technical Data Sheet

1-Hexyl-3-methylimidazolium chloride

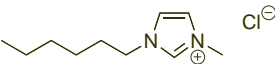
Revision Date: 03/05/2013

Date Issued: 2/7/2022

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

| | |
|----------------------------|---|
| Product name | 1-Hexyl-3-methylimidazolium chloride |
| Product code | IL-0054 |
| CAS | 171058-17-6 |
| 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 chloride |
| CAS No. | 171058-17-6 |
| Empirical Formula | C ₁₀ H ₁₉ ClN ₂ |
| Structure |  |
| Molecular weight | 202.72 g/mol |
| Purity | >98% |

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3 PROPERTIES

| | |
|---|------------------------|
| Color | Yellow to orange |
| Physical state (25 °C) | liquid |
| Melting point | -3°C |
| Glass transition temperature | -75 °C |
| Decomposition temperature | >200 °C |
| Density (26 °C) | 1.04 g/cm ³ |
| Viscosity (35 °C) | 3302 mPa * s |
| Heat capacity (25 °C) | not available |
| Conductivity (20 °C) | 0.08 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 | miscible |
| Toluene | miscible |
| Hexane | not miscible |

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5 ORDER INFORMATION

IL-0054-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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