

# Technical Data Sheet

## 1-Butyl-1-methylpiperidinium iodide

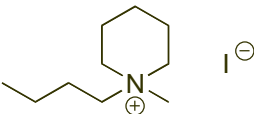
Revision Date: 8/19/2013

Date Issued: 7/23/2014

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

|                            |                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------|
| <b>Product name</b>        | 1-Butyl-1-methylpiperidinium<br>iodide                                                          |
| <b>Product code</b>        | IL-0169                                                                                         |
| <b>CAS</b>                 | 37971-78-1                                                                                      |
| <b>Supplier</b>            | IoLiTec<br>Ionic Liquids Technologies GmbH<br>Salzstrasse 184<br>D – 74076 Heilbronn<br>Germany |
| <b>Telephone</b>           | +49 (0)7131-89839-0                                                                             |
| <b>Fax</b>                 | +49 (0)7131-89839-109                                                                           |
| <b>Emergency telephone</b> | +49 (0)179-5322578                                                                              |
| <b>Email</b>               | info@iolitec.de                                                                                 |

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| <b>Ingredient name</b>   | 1-Butyl-1-methylpiperidinium<br>iodide                                              |
| <b>CAS No.</b>           | 37971-78-1                                                                          |
| <b>Empirical Formula</b> | C <sub>10</sub> H <sub>22</sub> IN                                                  |
| <b>Structure</b>         |  |
| <b>Molecular weight</b>  | 283.19 g/mol                                                                        |
| <b>Purity</b>            | >98%                                                                                |

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### 3 PROPERTIES

|                                         |                  |
|-----------------------------------------|------------------|
| <b>Color</b>                            | Yellow to orange |
| <b>Physical state (25 °C)</b>           | solid            |
| <b>Melting point</b>                    | 192 °C           |
| <b>Glass transition temperature</b>     | not available    |
| <b>Decomposition temperature</b>        | not available    |
| <b>Density (25 °C)</b>                  | not available    |
| <b>Viscosity (25 °C)</b>                | not available    |
| <b>Heat capacity (25 °C)</b>            | not available    |
| <b>Conductivity (25 °C)</b>             | not available    |
| <b>Electrochemical stability window</b> | not available    |
| <b>Anodic limit</b>                     | not available    |
| <b>Cathodic limit</b>                   | not available    |

### 4 CO-SOLVENT MISCIBILITY

|                     |               |
|---------------------|---------------|
| <b>Water</b>        | poor miscible |
| <b>Acetone</b>      | miscible      |
| <b>Acetonitrile</b> | miscible      |
| <b>Isopropanol</b>  | miscible      |
| <b>Toluene</b>      | not miscible  |
| <b>Hexane</b>       | not miscible  |

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### 5 ORDER INFORMATION

IL-0169-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](mailto:order@iolitec.de) or fax +49 (0)7131 – 89839109.

### 6 OTHER INFORMATION

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