

# Technical Data Sheet

## 1-Butyl-1-methylpiperidinium iodide

Revision Date: 8/19/2013

Date Issued: 3/3/2022

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

**Product name** 1-Butyl-1-methylpiperidinium iodide

**Product code** IL-0169

**CAS** 37971-78-1

**Supplier** IoLiTec  
Ionic Liquids Technologies GmbH

Im Zukunftspark 9  
D – 74076 Heilbronn  
Germany

**Telephone** +49 (0)7131-89839-0

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**Email** info@iolitec.de

**ROCO**

**Distributor**

1816 Parkway View Drive,  
Pittsburgh, PA 15205

 [Info@roco.global](mailto:Info@roco.global)

724-315-9170

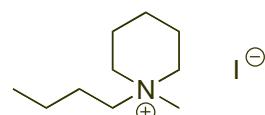
[www.roco.global](http://www.roco.global)

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredient name** 1-Butyl-1-methylpiperidinium iodide

**CAS No.** 37971-78-1

**Empirical Formula** C<sub>10</sub>H<sub>22</sub>IN



**Structure**

**Molecular weight** 283.19 g/mol

**Purity** >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>                  | 1,3051 g/cm <sup>3</sup> |
| <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>        | poorly 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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