

# Technical Data Sheet

## 1-Hexadecyl-3-methylimidazolium tetrafluoroborate

Revision Date: 6/26/2018

Date Issued: 2/7/2022

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

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | 1-Hexadecyl-3-methylimidazolium tetrafluoroborate   |
| <b>Product code</b>        | IL-0097   |
| <b>CAS</b>                 | 244193-64-4   |
| <b>Supplier</b>            | IoLiTec<br>Ionic Liquids Technologies GmbH<br>Im Zukunftspark 9<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   |



**Distributor**

1816 Parkway View Drive,

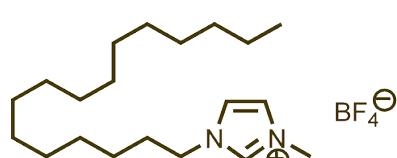
Pittsburgh, PA 15205

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

724-315-9170

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

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

|                          |  |
|--------------------------|--|
| <b>Ingredient name</b>   | 1-Hexadecyl-3-methylimidazolium tetrafluoroborate                                    |
| <b>CAS No.</b>           | 244193-64-4  |
| <b>Empirical Formula</b> | C <sub>20</sub> H <sub>39</sub> BF <sub>4</sub> N <sub>2</sub>                       |
| <b>Structure</b>         |  |
| <b>Molecular weight</b>  | 394.34 g/mol   |
| <b>Purity</b>            | >98%   |

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### 3 PROPERTIES

|   |                          |
|---|--------------------------|
| <b>Color</b>                            | Colorless to yellow      |
| <b>Physical state (25 °C)</b>           | solid                    |
| <b>Melting point</b>                    | 55 °C                    |
| <b>Glass transition temperature</b>     | not available            |
| <b>Decomposition temperature</b>        | not available            |
| <b>Density</b>                          | 0,8471 g/cm <sup>3</sup> |
| <b>Viscosity</b>                        | not available            |
| <b>Heat capacity</b>                    | not available            |
| <b>Conductivity</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>        | not miscible       |
| <b>Acetone</b>      | miscible           |
| <b>Acetonitrile</b> | miscible           |
| <b>Isopropanol</b>  | not miscible       |
| <b>Toluene</b>      | partially miscible |
| <b>Hexane</b>       | not miscible       |

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### 5 ORDER INFORMATION

IL-0097-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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