

# Technical Data Sheet

## 1-Ethyl-3-methylimidazolium ethylsulfate

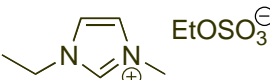
Revision Date: 2/13/2012

Date Issued: 2/7/2022

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

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | 1-Ethyl-3-methylimidazolium ethylsulfate  |
| <b>Product code</b>        | IL-0033   |
| <b>CAS</b>                 | 342573-75-5   |
| <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   |

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

|                          |  |
|--------------------------|--|
| <b>Ingredient name</b>   | 1-Ethyl-3-methylimidazolium ethylsulfate   |
| <b>CAS No.</b>           | 342573-75-5  |
| <b>Empirical Formula</b> | C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> S                       |
| <b>Structure</b>         |  |
| <b>Molecular weight</b>  | 236.29 g/mol   |
| <b>Purity</b>            | 98%  |

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### 3 PROPERTIES

|   |                        |
|---|------------------------|
| <b>Color</b>                            | Yellow to orange       |
| <b>Physical state (25 °C)</b>           | Liquid                 |
| <b>Melting point</b>                    | -41 °C                 |
| <b>Glass transition temperature</b>     | not available          |
| <b>Decomposition temperature</b>        | not available          |
| <b>Density (25 °C)</b>                  | 1.24 g/cm <sup>3</sup> |
| <b>Viscosity (25 °C)</b>                | 94 mPa * s             |
| <b>Heat capacity (20 °C)</b>            | not available          |
| <b>Conductivity (25 °C)</b>             | 2.97 mS/cm             |
| <b>Electrochemical stability window</b> | 4.0 V                  |
| <b>Anodic limit</b>                     | 1.4 V                  |
| <b>Cathodic limit</b>                   | -2.6 V                 |

### 4 CO-SOLVENT MISCIBILITY

|                     |                              |
|---------------------|------------------------------|
| <b>Water</b>        | miscible under decomposition |
| <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-0033-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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.