

Technical Data Sheet

1-Ethyl-3-methylimidazolium methylphosphonate

Revision Date: 1/14/2024

Date Issued: 1/15/2024

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

| | |
|----------------------------|---|
| Product name | 1-Ethyl-3-methylimidazolium methylphosphonate |
| Product code | IL-0352 |
| CAS | 81994-80-1 |
| 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 |

ROCO

Distributor

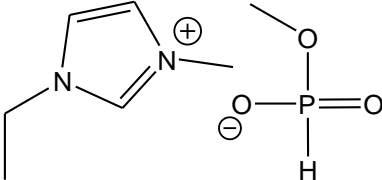
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|--------------------------|--|
| Ingredient name | 1-Ethyl-3-methylimidazolium methylphosphonate |
| CAS No. | 81994-80-1 |
| Empirical Formula | C ₇ H ₁₅ N ₂ O ₃ P |
| Structure |  |
| Molecular weight | 206.17 g/mol |
| Purity | >98% |

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3 PROPERTIES

| | |
|---|--------------------------|
| Color | Colorless to orange |
| Physical state (25 °C) | liquid |
| Melting point | -42°C |
| Glass transition temperature | not available |
| Decomposition temperature | not available |
| Density (19°C) | 1.2362 g/cm ³ |
| Viscosity (19°C) | 133.1 cP |
| Heat capacity | not available |
| Conductivity (19°C) | 2.358 mS/cm |
| Electrochemical stability window | 4.8 V |
| Anodic limit | 2.5 V |
| Cathodic limit | -2.3 V |

4 CO-SOLVENT MISCIBILITY

| | |
|---------------------|---------------|
| Water | not available |
| Acetone | not available |
| Acetonitrile | not available |
| Isopropanol | not available |
| Toluene | not available |
| Hexane | not available |

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5 ORDER INFORMATION

IL-0353-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

DISCLAIMER

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