

Technical Data Sheet

1-Ethyl-3-methylimidazolium hexafluorophosphate

Revision Date: 6/26/2018

Date Issued: 1/20/2022

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

Product name	1-Ethyl-3-methylimidazolium hexafluorophosphate
Product code	IL-0122
CAS	155371-19-0
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
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ROCO

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 Info@roco.global

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2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Ethyl-3-methylimidazolium hexafluorophosphate
CAS No.	155371-19-0
Empirical Formula	C ₆ H ₁₁ F ₆ N ₂ P
Structure	 The structure shows an imidazolium cation with an ethyl group (CH ₂ CH ₃) attached to the 1-position and a methyl group (CH ₃) attached to the 3-position. The cation is paired with a PF ₆ ⁻ anion.
Molecular weight	256.13 g/mol
Purity	99%

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3 PROPERTIES

Color	Colorless to yellowish
Physical state (25 °C)	solid
Melting point	64 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density	1,3814 g/cm ³
Viscosity	not available
Heat capacity	not available
Conductivity	not available
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCIBILITY

Water	not miscible
Acetone	miscible
Acetonitrile	miscible
Isopropanol	not miscible
Toluene	not miscible
Hexane	not miscible

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5 ORDER INFORMATION

IL-0122-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

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