

Technical Data Sheet

1,3-Dimethylimidazolium dimethylphosphate


Revision Date: 12/22/2011

Date Issued: 2/7/2022

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

Product name	1,3-Dimethylimidazolium dimethylphosphate
Product code	IL-0053
CAS	654058-04-5
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

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1,3-Dimethylimidazolium dimethylphosphate
CAS No.	654058-04-5
Empirical Formula	C ₇ H ₁₅ N ₂ O ₄ P
Structure	 $(\text{MeO})_2\text{PO}_2^-$
Molecular weight	222.18 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	<-78 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density (30 °C)	1.25 g/cm ³
Viscosity (20 °C)	377 mPa * s
Heat capacity (20 °C)	not available
Conductivity (30 °C)	2.864 mS/cm
Electrochemical stability window	2.5 V
Anodic limit	1.5 V
Cathodic limit	-1.0 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0053-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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