

Technical Data Sheet

1-Butyl-3-methylimidazolium tetrachloroferrate

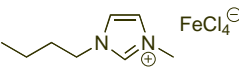
Revision Date: 12/19/2011

Date Issued: 2/7/2022

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

Product name	1-Butyl-3-methylimidazolium tetrachloroferrate
Product code	IL-0047
CAS	359845-21-9
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-Butyl-3-methylimidazolium tetrachloroferrate
CAS No.	359845-21-9
Empirical Formula	$C_8H_{15}Cl_4FeN_2$
Structure	
Molecular weight	336.87 g/mol
Purity	>97%

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3 PROPERTIES

Color	dark brown
Physical state (25 °C)	liquid
Melting point	-7°C
Glass transition temperature	not available
Decomposition temperature	not available
Density (26 °C)	1.359 g/cm ³
Dynamic viscosity (25 °C)	43 mPa * s
Kinematic viscosity (25 °C)	32 cSt
Conductivity (25 °C)	4.37 mS/cm
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available
Magnetic molar susceptibility	4.11 emu/(K*mol)

4 CO-SOLVENT MISCIBILITY

Water	not miscible (decomposition)
Acetone	miscible
Acetonitrile	miscible
Isopropanol	not miscible
Toluene	not miscible
Dichloromethane	miscible
Hexane	not miscible

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5 ORDER INFORMATION

IL-0047-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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.