

Technical Data Sheet

1-Methyl-3-octylimidazolium trifluoromethanesulfonate

Revision Date: 2/13/2012

Date Issued: 2/7/2022

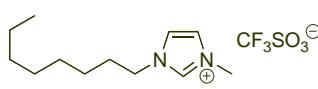
1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	1-Methyl-3-octylimidazolium trifluoromethanesulfonate
Product code	IL-0073
CAS	403842-84-2
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Methyl-3-octylimidazolium trifluoromethanesulfonate
CAS No.	403842-84-2
Empirical Formula	C ₁₃ H ₂₃ F ₃ N ₂ O ₃ S
Structure	
Molecular weight	344.40 g/mol
Purity	>99%

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3 PROPERTIES

Color	Yellow to brown
Physical state (25 °C)	Liquid
Melting point	-20 °C
Glass transition temperature	-92 °C
Decomposition temperature	not available
Density (25 °C)	1.20 g/cm ³
Viscosity (25 °C)	226 mPa * s
Heat capacity (50 °C)	not available
Conductivity (30 °C)	0.79 mS/cm
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCELLIBILITY

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

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5 ORDER INFORMATION

IL-0073-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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