

Technical Data Sheet

1-Dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide

Revision Date: 12/22/2011

Date Issued: 2/7/2022

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

Product name	1-Dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0101
CAS	404001-48-5
Identified uses	Laboratory chemicals, Manufacture of substances
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

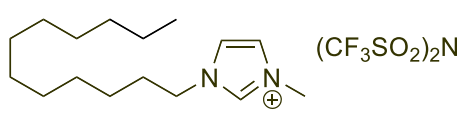
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
CAS No.	404001-48-5
Empirical Formula	C ₁₈ H ₃₁ F ₆ N ₃ O ₄ S ₂
Structure	
Molecular weight	531.58 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	23°C
Glass transition temperature	n/a
Decomposition temperature	not available
Density (22 °C)	1.25 g/cm ³
Viscosity (18 °C)	213.7 mPa * s
Heat capacity (20 °C)	not available
Conductivity (30 °C)	0.82 mS/cm
Electrochemical stability window	n/a
Anodic limit	n/a
Cathodic limit	n/a

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0101-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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