

Technical Data Sheet

1,3-Dimethylimidazolium bis(trifluoromethylsulfonyl)imide

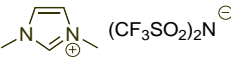
Revision Date: 09/15/2020

Date Issued: 7/22/2022

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

Product name	1,3-Dimethylimidazolium bis(trifluoromethylsulfonyl)imide
Product code	IL-0198
CAS	174899-81-1
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 bis(trifluoromethylsulfonyl)imide
CAS No.	174899-81-1
Empirical Formula	C ₇ H ₉ F ₆ N ₃ O ₄ S ₂
Structure	
Molecular weight	377.28 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	Liquid
Melting point	22 °C
Glass transition temperature	not available
Decomposition temperature	>200 °C
Density (22 °C)	1.57 g/cm ³
Viscosity (25 °C)	37.1 mPa * s
Heat capacity (20 °C)	not available
Conductivity (30 °C)	9.66 mS/cm
Electrochemical stability window	4.6 V
Anodic limit	2.4 V
Cathodic limit	-2.2 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0198-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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