

Technical Data Sheet

1-Methyl-3-tetradecylimidazolium chloride

Revision Date: 6/26/2018

Date Issued: 1/26/2022

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

Product name	1-Methyl-3-tetradecylimidazolium chloride
Product code	IL-0141
CAS	171058-21-2
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

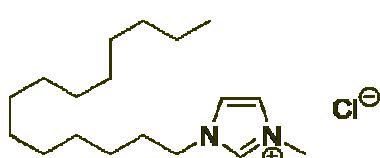


ROCO

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-Methyl-3-tetradecylimidazolium chloride
CAS No.	171058-21-2
Empirical Formula	C ₁₈ H ₃₅ ClN ₂
Structure	 <p>The chemical structure shows a long hydrocarbon chain (tetradecyl) attached to an imidazolium cation. The imidazolium cation has a methyl group on one nitrogen and a chloride anion (Cl⁻) on the other.</p>
Molecular weight	314.94 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to brown
Physical state (25 °C)	solid
Melting point	57°C
Glass transition temperature	not available
Decomposition temperature	not available
Density	0,9667 g/cm ³
Viscosity	not available
Heat capacity	not available
Conductivity	not available
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0141-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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