

Technical Data Sheet

1-Benzyl-3-methylimidazolium dicyanamide

Revision Date: 6/26/2018

Date Issued: 11/22/2022

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

Product name	1-Benzyl-3-methylimidazolium dicyanamide
Product code	IL-0242
CAS	958445-60-8
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



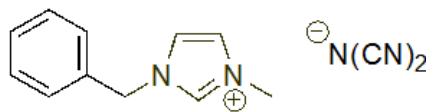
ROCO

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-Benzyl-3-methylimidazolium dicyanamide
CAS No.	958445-60-8
Empirical Formula	C ₁₃ H ₁₃ N ₅
Structure	 The structure shows a benzyl group (a benzene ring attached to a methyl group) connected to the 1-position of an imidazolium cation. The imidazolium cation has a methyl group on the 3-position and a dicyanamide group (N(CN) ₂ ⁺) on the 1-position. The nitrogen atom of the dicyanamide group carries a negative charge (N(CN) ₂ ⁻).
Molecular weight	239.28 g/mol
Purity	>98%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	liquid
Melting point	-21°C
Glass transition temperature	not available
Decomposition temperature	not available
Density (24 °C)	1.16 g/cm ³
Viscosity (25 °C)	78.5 mPa * s
Heat capacity	not available
Conductivity (30 °C)	2.95 mS/cm
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0242-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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