

Technical Data Sheet

1-Butyl-3-methylimidazolium dicyanamide

Revision Date: 1/19/2012

Date Issued: 2/7/2022

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

| | |
|----------------------------|---|
| Product name | 1-Butyl-3-methylimidazolium dicyanamide |
| Product code | IL-0010 |
| CAS | 448245-52-1 |
| 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 |

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-Butyl-3-methylimidazolium dicyanamide |
| CAS No. | 448245-52-1 |
| Empirical Formula | C ₁₀ H ₁₅ N ₅ |
| Structure |  |
| Molecular weight | 205.26 g/mol |
| Purity | >98% |

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3 PROPERTIES

| | |
|---|------------------------|
| Color | Yellow to orange |
| Physical state (25 °C) | liquid |
| Melting point | -6 °C |
| Glass transition temperature | -90 °C |
| Decomposition temperature | not available |
| Density (25 °C) | 1.06 g/cm ³ |
| Viscosity (25 °C) | 28 mPa * s |
| Heat capacity (25 °C) | 364 J/(mol * K) |
| Conductivity (20 °C) | 9.53 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-0010-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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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.