

Technical Data Sheet

1-Butyl-3-methylimidazolium methylsulfate

Revision Date: 2/13/2012

Date Issued: 2/7/2022

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

| | |
|----------------------------|---|
| Product name | 1-Butyl-3-methylimidazolium methylsulfate |
| Product code | IL-0195 |
| CAS | 401788-98-5 |
| 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 |



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 methylsulfate |
| CAS No. | 401788-98-5 |
| Empirical Formula | C ₉ H ₁₈ N ₂ O ₄ S |
| Structure |  |
| Molecular weight | 250.31 g/mol |
| Purity | 98% |

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3 PROPERTIES

| | |
|---|------------------------|
| Color | Colorless to orange |
| Physical state (25 °C) | Liquid |
| Melting point | -20 °C |
| Glass transition temperature | not available |
| Decomposition temperature | not available |
| Density (21 °C) | 1.22 g/cm ³ |
| Viscosity (25 °C) | 162.8 mPa * s |
| Heat capacity (20 °C) | not available |
| Conductivity (30 °C) | 2.195 mS/cm |
| Electrochemical stability window | 4.3 V |
| Anodic limit | 1.7 V |
| Cathodic limit | -2.6 V |

4 CO-SOLVENT MISCIBILITY

| | |
|---------------------|------------------------------|
| Water | miscible under decomposition |
| Acetone | miscible |
| Acetonitrile | miscible |
| Isopropanol | miscible |
| Toluene | not miscible |
| Hexane | not miscible |

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5 ORDER INFORMATION

IL-0195-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.