

Technical Data Sheet

Trihexyltetradecylphosphonium bromide

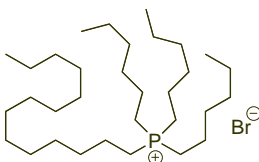
Revision Date: 12/22/2011

Date Issued: 2/8/2022

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

| | |
|----------------------------|---|
| Product name | Trihexyltetradecylphosphonium bromide |
| Product code | IN-0007 |
| CAS | 654057-97-3 |
| 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 | Trihexyltetradecylphosphonium bromide |
| CAS No. | 654057-97-3 |
| Empirical Formula | $C_{32}H_{68}BrP$ |
| Structure |  |
| Molecular weight | 563.76 g/mol |
| Purity | >95% |

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3 PROPERTIES

| | |
|---|--------------------------|
| Color | Yellow to orange |
| Physical state (25 °C) | liquid |
| Melting point | -61 °C |
| Glass transition temperature | not available |
| Decomposition temperature | 320 °C (N ₂) |
| Density (25 °C) | 0.96 g/cm ³ |
| Viscosity (25 °C) | 2094 mPa * s |
| Heat capacity (20 °C) | not available |
| Conductivity (25 °C) | not available |
| Electrochemical stability window | 4.7 V |
| Anodic limit | 1.5 V |
| Cathodic limit | -3.2 V |

4 CO-SOLVENT MISCIBILITY

| | |
|---------------------|---------------|
| Water | not miscible |
| Acetone | miscible |
| Acetonitrile | miscible |
| Isopropanol | miscible |
| Toluene | not available |
| Hexane | not available |

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5 ORDER INFORMATION

IN-0007-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.