

Technical Data Sheet

Tributylmethylammonium bis(trifluoromethylsulfonyl)imide

Revision Date: 12/21/2011

Date Issued: 6/20/2023

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

Product name	Tributylmethylammonium bis(trifluoromethylsulfonyl)imide
Product code	IL-0117
CAS	405514-94-5
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

ROCO

Distributor

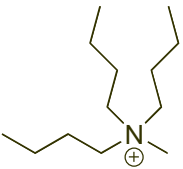
1816 Parkway View Drive,
Pittsburgh, PA 15205

✉ info@roco.global

724-315-9170

www.roco.global

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Tributylmethylammonium bis(trifluoromethylsulfonyl)imide
CAS No.	405514-94-5
Empirical Formula	C ₁₅ H ₃₀ F ₆ N ₂ O ₄ S ₂
Structure	 $(\text{CF}_3\text{SO}_2)_2\text{N}^-$
Molecular weight	480.53 g/mol
Purity	>99%

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3 PROPERTIES

Color	Colorless to yellow
Physical state (25 °C)	Liquid
Melting point	31°C
Glass transition temperature	not available
Decomposition temperature	396 °C
Density (23 °C)	1.26 g/cm ³
Viscosity (20 °C)	720 mPa * s
Heat capacity (20 °C)	not available
Conductivity (30 °C)	0.48 mS/cm
Electrochemical stability window	6.2 V
Anodic limit	2.9 V
Cathodic limit	-3.3 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IL-0117-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.