

Technical Data Sheet

Trihexyltetradecylphosphonium dicyanamide

Revision Date: 12/22/2011

Date Issued: 2/8/2022

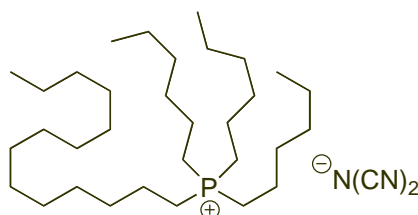
1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Trihexyltetradecylphosphonium dicyanamide
Product code	IN-0010
CAS	701921-71-3
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 dicyanamide
CAS No.	701921-71-3
Empirical Formula	C ₃₄ H ₆₈ N ₃ P

Structure



Molecular weight 549.90 g/mol

Purity >95%

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3 PROPERTIES

Color	Yellow to orange
Physical state (25 °C)	Liquid
Melting point	not available
Glass transition temperature	-67 °C
Decomposition temperature	not available
Density (28 °C)	0.9 g/cm ³
Viscosity (25 °C)	361 mPa * s
Heat capacity (20 °C)	not available
Conductivity (24 °C)	0.156 mS/cm
Electrochemical stability window	3.2 V
Anodic limit	1.5 V
Cathodic limit	-1.7 V

4 CO-SOLVENT MISCIBILITY

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

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5 ORDER INFORMATION

IN-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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