

Technical Data Sheet

Boron(III)oxide

Revision Date: 03-01/2007

Date Issued: 03-01/2007

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

Product name Boron(III)oxide, Nanopowder
Product code NO-0015-HP
Supplier IoLiTec
Ionic Liquids Technologies GmbH & Co KG
Ferdinand-Porsche-Straße 5/1
D-79211 Denzlingen
Germany
Fax +49 (0)7666 - 9129345
Emergency telephone +49 (0)179-5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name Boron(III)oxide
CAS No. 1303-86-2
Empirical Formula B₂O₃
Molecular weight 68.02 amu
Purity 99.5 %
Average Particle Size 30 nm
Specific Surface Area -
Colour -
Morphology spherical
Bulk Density -
True Density 2.46 g/cm³
Melting point 450 °C
Boiling point 1860 °C

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3 SPECIFICATIONS

Components	Content (wt.%)
Cl	<0.01
SO ₄	<0.03
PO ₄	<0.01
Ca	<0.01
Mg	<0.01
Fe	<0.001
Pb	<0.001
Si	<0.001

4 TRANSMISSION ELECTRON MICROSCOPY

N/A

5 X-RAY DIFFRACTION PATTERN

N/A

6 ORDER INFORMATION

7 OTHER INFORMATION

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