

# Technical Data Sheet

## Erbium(III)oxide

Revision Date: 11/6/2025

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

<b>Product name</b>	Erbium(III)oxide
<b>Product code</b>	NO-0020-UP
<b>CAS</b>	12061-16-4
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)151-41255671

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

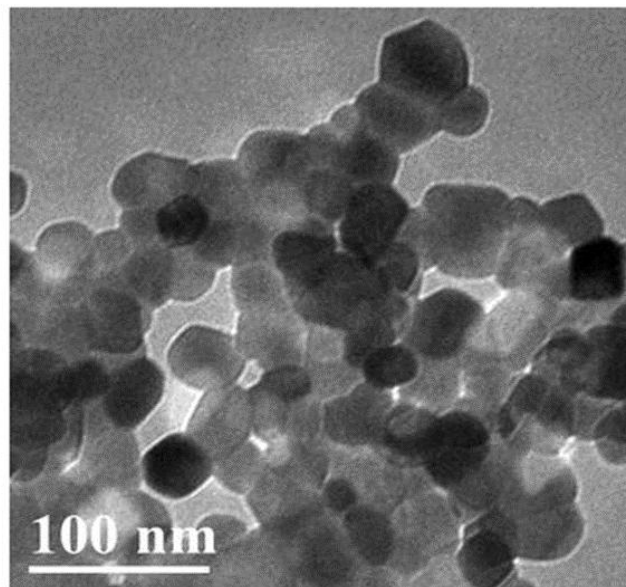
<b>Ingredient name</b>	Erbium(III)oxide
<b>CAS No.</b>	12061-16-4
<b>Empirical Formula</b>	Er <sub>2</sub> O <sub>3</sub>
<b>Molecular weight</b>	382.52 amu
<b>Purity</b>	99.9%
<b>Morphology</b>	spherical
<b>Average Particle Size</b>	40~50 nm (TEM)
<b>Specific Surface Area</b>	16 m <sup>2</sup> /g (BET)
<b>Relative Density</b>	8.64 g/cm <sup>3</sup>
<b>Bulk Density</b>	0.59 g/cm <sup>3</sup>
<b>Melting point</b>	2400°C

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### 3 TEM IMAGE



### 4 OTHER INFORMATION

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