

## Product Information

### Bayoxide® E 8840

#### Description

Type	Technical Oxide
Delivery form	Powder
Chemical class	Synthetic iron oxide Fe <sub>3</sub> O <sub>4</sub>
CAS-No.	1317-61-9
REACH registration no.	01-2119457646-28-0000

#### Specification

Technical Data	min	max	Test method
Tamped density [g/ml]	0.8	1.1	DIN EN ISO 787-11:1995
Specific Surface Area [m <sup>2</sup> /g]	16	22	DIN 66131:1993
water-soluble content [%]		0.5	DIN EN ISO 787-3:1995
Moisture content (ex works) [%]		0.5	DIN EN ISO 787-2:1995
pH value	5	8	DIN EN ISO 787-9:1995
Coercivity IHc [Oe]	355	395	Nr. 035 <sup>41</sup>
Remanence Br [G]	2080	2370	Nr. 035 <sup>41</sup>
Remanence Br [emu/g]	36	41	Nr. 035 <sup>41</sup>
Saturation magnetization Bs [G]	4450	4795	Nr. 035 <sup>41</sup>
Saturation magnetization Bs [emu/g]	77	83	Nr. 035 <sup>41</sup>

#### Informative technical data (guide values)

			Test method
Fe <sub>3</sub> O <sub>4</sub> Content [%] <sup>53</sup>	>	99.5	information about the determination of iron oxide <sup>41</sup>
Oil absorption [g/100 g]	~	38	DIN EN ISO 787-5:1995

## Bayoxide® E 8840

### Packaging

The product is available in sacks or bulk bags. For further information please ask your local contact or send an enquiry by e-mail to [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

### Transport and storage

General storage conditions:	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.
Special conditions for opened packaging:	Close bags after use to prevent the absorption of moisture and contamination.

### Safety

The product is not classified as dangerous under the relevant EC Directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. The safety data sheet should be observed. This contains information on handling, product safety and ecology. The safety data sheet is available at [www.bayferrox.de](http://www.bayferrox.de).

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### Status of registration (not specified)

The components of this product are listed on the following inventories:				
Europe: EINECS	USA: TSCA	Canada: DSL	Australia: AICS	New Zealand: NZIOC
Philippines: PICCS	Japan: METI	Korea: ECL	China: IECSC	Taiwan: NECSI

<sup>35</sup> The magnetic data were measured with a magnetometer MA7 at a maximum field strength of 5 kOe assuming a density of 4.6 g/cm<sup>3</sup>.

<sup>41</sup> obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, Fax +49-2151-88-9599-4139, mailto: ipg.product-information@lanxess.com

<sup>53</sup> Minor elements may arise from the raw materials used. However, these are firmly bound to the crystal lattice as ions.