

Product Information





Bayoxide® E 33 HC

Description

Туре	Technical Oxide
Delivery form	Granules
Chemical class CAS-No.	Synthetic iron hydroxide oxide yellow α - FeOOH 51274-00-1
REACH registration no.	01-2119457554-33-0000

Specified Technical Data

Technical Data	min	max	Test method
Fe ₂ O ₃ Content [%]	70		No. 036 41
Bulk Density [g/cm ³]	0.72	0.88	similar to DIN EN ISO 787-11:1995
Specific Surface Area (BET) [m²/g]	250		ISO 9277:2003
Water soluble content [%]		2.0	similar to DIN EN ISO 787-3:2000
Moisture content [%]		20	DIN EN ISO 787-2:1995
Sieve analysis < 0.315 mm [%]		10	No. 039 41
Sieve analysis > 2.0 mm [%]		5.0	No. 039 41
Trace elements	min	max	Test methods
AI [mg/kg]		350	Atomic spectroscopy
As [mg/kg]		20	Atomic spectroscopy
Ba [mg/kg]		10	Atomic spectroscopy
Cd [mg/kg]		5	Atomic spectroscopy
Co [mg/kg]		150	Atomic spectroscopy
Cr [mg/kg]		250	Atomic spectroscopy
Cu [mg/kg]		100	Atomic spectroscopy
Mn [mg/kg]		3000	Atomic spectroscopy
Ni [mg/kg]		250	Atomic spectroscopy
Pb [mg/kg]		3	Atomic spectroscopy
Zn [mg/kg]		100	Atomic spectroscopy





Bayoxide® E 33 HC

Informative Technical Data (guide values)

			Test method
α - FeOOH content [%] 53	>	98	Information about the determination of iron oxide ⁴¹
Density [g/ml]	~	4.0	DIN EN ISO 787-10:1995

⁴¹ Obtainable from LANXESS Deutschland GmbH, Business Unit Liquid Purification Technologies, mailto: lewatit@lanxess.com

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





Bayoxide® E 33 HC

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: lewatit@lanxess.com

Transport and Storage

General storage conditions:	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.		
	Avoid crushing the granules.		
Special conditions for opened packaging:	Close bags after use to prevent the absorption of moisture and contamination.		
Shelf life:	This product has an excellent shelf life. We recommend that this product is used within ten years of the date of manufacture and limit our product warranty to this period. During the first ten years after the date of manufacture we are able to ensure compliance with this specification, provided the material has been stored as stated above and the packaging materials remain undamaged. It must be taken into account that the packaging mean can have a shelf life considerably shorter than the one for this product. All recommendations and warnings given on the packaging must strictly be adhered to. Deviations from storage conditions can lead to undesired changes on side of the packaging materials. These succumb to ageing which may also lead to compromising their capability. Concerning their estimated service life we differentiate between the following packaging materials:		
	All kinds of bags (Paper and PE)5 years All kinds of Bulk bag3 years		
	With respect to our Bulk Bags we recommend to avoid UV-radiation because the sewing material of the lifting loops is stabilized against degradation by UV-radiation for appr. 1000 h incident sun radiation for the climate of Central Europe. A more intense sun radiation can shorten this period significantly. In cases of doubt the lifting loops must be checked thoroughly.		

Safety

Classification	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.
Additional information	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.lpt.lanxess.com.





Bayoxide® E 33 HC

Disposal of Waste Product

The spent media is to be disposed of in approved landfills provided local regulations are observed. The media is educted from the adsorber vessel into a purpose built tanker. Operators should confirm that they can meet any local landfill tipping conditions.

For disposal within EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Status of Registration (not specified)

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

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery

Edition; 2017-03-10 Previous Edition: 2016-12-22



Head Office: 54/18 Bui Quang La, Ward 12, Go Vap District, HCMC, Vietnam Branch Office: 77 DHT10B, Dong Hung Thuan Ward, District 12, HCMC, Vietnam Phone: (028) 6258 5368 - (028) 6291 9568

Email: info@atswatertechnology.com

Website: www.atswatertechnology.com

LANXESS Deutschland GmbH Liquid Purification Technologies Kennedyplatz 1 50569 Koeln Germany

+49-221-8885-0 lewatit@lanxess.com

www.lanxess.com www.lpt.lanxess.com 4/4