

# AEROXIDE® TiO<sub>2</sub> NKT 90

## Hydrophobic fumed titanium dioxide

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	50 - 75
pH value in 4% dispersion		3.0 - 4.0
Loss on drying** 2 hours at 105 °C	%	≤ 1.0
Bulk density	g/l	approx. 100
TiO <sub>2</sub> content based on ignited material	%	≥ 97.0
Triboelectric charge*		weakly negative
C content	%	2.5 - 4.5
* Evonik method ** ex plant The data represents typical values (no product specification)		

### Registrations (substance or product components)

#### AEROXIDE® TiO<sub>2</sub> NKT 90

CAS-No.	220037-19-4
REACH (Europe)	exempted
TSCA (USA) DSL (Canada)	exempted if no chemical reaction is intended
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia)	exempted if no chemical reaction is intended

AEROXIDE® TiO<sub>2</sub> NKT 90 is a fine-particulate, fumed titanium dioxide (TiO<sub>2</sub>) that is highly hydrophobized with an organosilane.

### Applications and properties

#### Properties

- Stabilization of the charging characteristics of toner in fluctuating storage and ambient conditions
- Weakly negative triboelectric charge
- Outstanding dispersion properties

#### Applications

- Improvement of flow characteristics and prevention of clumping of dry toner and other powders
- Highly effective UV filter in polymers and plastics
- Improves the flowability and stabilizes the electrostatic charging of toner powders for copiers and laser printers

## Packaging and storage

AEROXIDE® TiO<sub>2</sub> NKT 90 is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROXIDE® TiO<sub>2</sub> NKT 90 should be used within 24 months year after production.

## Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

### Customer Service

#### Europe/ Middle-East/ Africa/ Latin America

##### Evonik Operations GmbH

Business Line Silica  
PB 010-A410  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 12532  
FAX +49 6181 59 712532  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### North America Evonik Corporation

Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800-233-8052  
FAX +1 973-929-8502  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### Asia (excluding Japan) Evonik (SEA) Pte. Ltd.

Business Line Silica  
3 International Business Park  
Nordic European Centre, #07-18  
Singapore 609927  
PHONE +65 6809-6877  
FAX +65 6809-6677  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### Japan NIPPON AEROSIL CO., LTD.

Marketing & Sales Division  
P.O. Box 7015  
Shinjuku Monolith 13F  
3-1, Nishi-Shinjuku 2-chrome  
Shinjuku-ku, Tokyo  
163-0913 Japan  
PHONE +81 3 3342-1789  
FAX +81 3 3342-1761  
[infonac@evonik.com](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://www.aerosil.jp)

### Technical Service

#### Europe/ Middle-East/ Africa/ Latin America

##### Evonik Operations

Business Line Silica  
HPC 911-221 A  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### North America Evonik Corporation

Business Line Silica  
2 Turner Place  
Piscataway, NJ 08855-0365  
USA  
PHONE +1 888 SILICAS  
PHONE +1 732 981-5000  
FAX +1 732 981-5275  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### Asia (excluding Japan) Evonik Specialty Chemicals (Shanghai) Co.,Ltd

Business Line Silica  
55 Chundong Road  
Xinzhuang Industry Park  
Shanghai 201108  
P.R. China  
PHONE +86 21 6119-1151  
FAX +86 21 6119-1075  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

#### Japan NIPPON AEROSIL CO., LTD.

Applied Technology Group  
3 Mita-Cho  
Yokkaichi, Mie  
510-0841 Japan  
PHONE +81 59 345-5270  
FAX +81 59 346-4657  
[infonac@evonik.com](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://www.aerosil.jp)