

AEROXIDE® Alu 65

Highly dispersed fumed aluminium oxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	55 - 75
pH value in 4% dispersion		4.5 - 6.0
Loss on drying* 2 hours at 105 °C	%	≤ 5.0
Tamped density*	g/l	approx. 50
Al ₂ O ₃ content based on ignited material	%	≥ 99.8
Sieve residue (by Mocker, 45 µm)	%	≤ 0.050
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROXIDE® Alu 65

CAS-No.	1344-28-1
REACH (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
IECS (China)	registered
KECI (Korea)	registered

AEROXIDE® Alu 65 is produced analogous to the AEROSIL® process developed by Evonik. It is a very fine fumed metal oxide with a high surface area. Due to the electropositive chargeability, AEROXIDE® Alu 65 leads to specific properties in various applications.

Applications and properties

Applications

- Powder coatings to increase electrostatic chargeability and regulate flow properties
- Photo ink-jet paper coatings for high gloss, absorption, enhanced color and printing capabilities
- Antiblocking agent in PET films
- Fluorescent lighting as a mercury barrier function

Properties

- High BET surface area
- High chemical purity
- Positive surface charge / chargeability

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 Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROXIDE® Alu 65 is supplied in multiple layer 10 kg paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROXIDE® Alu 65 should be used within 2 years after production.

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Customer Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Resource Efficiency 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
www.aerosil.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
www.aerosil.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
www.aerosil.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
www.aerosil.jp

Technical Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Resource Efficiency GmbH

Business Line Silica
HPC 911-221 A
Rodenbacher Chaussee 4
63403 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3936
FAX +49 6181 59 4489
technical.service.aerosil@
evonik.com
www.aerosil.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
www.aerosil.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 6119-1065
FAX +86 21 6119-1075
technical.service.aerosil@
evonik.com
www.aerosil.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
www.aerosil.jp