

# VP TiO<sub>2</sub> 590 S

## Developmental titania silica mixed oxide\*

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	70 - 100
pH value in 4 % dispersion		3.5 - 4.5
Loss on drying* 2 hours at 105 °C	%	≤ 2.0
SiO <sub>2</sub> content based on ignited material	wt. %	4.0 - 7.0
* ex plant The data represents typical values (no product specification).		

### Registrations (substance or product components)

#### VP TiO<sub>2</sub> 590 S

CAS-No.	112926-00-8 (ex 7631-86-9) 13463-67-7
REACH (Europe), EC (EU), TSCA (USA), DSL (Canada), PICCS (Philippines), ENCS (Japan), TECSI (Taiwan), IECSC (China), KECI (Korea), NZIoC (New Zealand), AICS (Australia)	registered

VP TiO<sub>2</sub> 590 S is a fumed oxide consisting of titanium dioxide and a small fraction of silicon dioxide, manufactured using the AEROSIL® process.

### Applications and properties

#### Applications

- Raw material for catalyst carrier
- Toner
- Cosmetics
- UV-absorption

#### Properties

- High chemical purity
- High thermal stability of surface area and crystalline phase
- Has a positive tribo-charge to toner
- Provides excellent flowability and high charge stability to toners

\* Developmental products are labeled with the VP designation. Commercialization depends on market response.

### Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at [sds-hu@evonik.com](mailto:sds-hu@evonik.com) for specific questions. We recommend to read the safety data sheet carefully prior to use of the product.

### Packaging and storage

VP TiO<sub>2</sub> 590 S 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. VP TiO<sub>2</sub> 590 S should be used within 2 years after production.

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