

# PRODUCT SPECIFICATIONS & INFORMATION



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## PRODUCT: SIPERNAT<sup>®</sup> 50 S

METHOD #	PROPERTIES	UNIT	SPEC. RANGE
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### PRODUCT SPECIFICATIONS (value provided on every Certificate of Analysis)

ISO 9277	Surface Area, Tri-star 3000, multi-point	m <sup>2</sup> /g	400 - 600
Evonik 0065	DOA - Absorption, uncorrected <sup>(1)</sup>	ml/100 g	260 - 300
ISO 787-2	Loss on Drying, ex plant <sup>(2)</sup>	%	≤ 7.0
ISO 787-9	pH-value, 5% aqueous slurry	-	5.0 - 7.0
ISO 13320-1	Particle size, Coulter LS 230, d50% (Laser)	µm	15.0 - 21.0
ISO 3262-19-1	Sieve Residue, Wet Spray, > 45 µm	%	≤ 5

### SUPPLEMENTAL INFORMATION (not certified)

METHOD #	PROPERTIES	UNIT	TYPICAL VALUE
ISO 13320-1	Particle size, Coulter LS 230, d95% (Laser)	µm	45
	Particle size, Coulter LS 230, d5% (Laser)	µm	5.5
ISO 787-14	Conductivity in water, 4%	µS/cm	≤ 1200
ISO 787-11	Tamped Density, ex plant	g/l	100
ISO 3262-1	Loss on Ignition <sup>(2)</sup>	%	≤ 6.5
ISO 3262-19	SiO <sub>2</sub> <sup>(3)</sup>	%	≥ 97

(1) based on original material

(2) based on material dried for 2 hours @105°C

(3) based on material ignited for 2 hours @ 1000°C

**CAUTION:** Inhalation of synthetic amorphous precipitated silica may irritate the respiratory tract. Adequate ventilation and, where dust occurs, a NIOSH-approved dust respirator is recommended. Material Data Safety Sheets are available on request.

Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for his intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without license. Unless otherwise specified, this Product Specification Sheet is an Uncontrolled Document.

CAS Name: Synthetic Amorphous Precipitated Silica

CAS# 7631-86-9 (TSCA Inventory)

CAS# 112926-00-8

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