

	TECHNICAL DATA SHEET S1-2016 WHITE SILICA GEL	Ed.1-2016 Rev.3
		Issued on 4 May 2016
		Revised on – 31/12/2021
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White Silica Gel is a desiccant product without any chromatic indication of exhaustion (absorption capacity). White Silica Gel is not an indicating silica gel.

Silica Gel removes moisture from the packaging or from the devices where it is placed.

White Silica Gel does not change its colour during the adsorption process. The only data that demonstrates the physical exhaustion of the product is the weight. White Silica Gel can increase the maximum of 20%-30% of its weight.

TYPICAL APPLICATION: Inside the breathers, air filters and water vapour removal.
Desiccant bags and desiccant capsules.

DESICCANT COMPOSITION: White Silica Gel or Silica is the commercial name of silicon dioxide (SiO₂)

Labelling and classification: none (Directive 1999/45 CE and CLP)

For further information see the White Silica Gel safety data sheet S1-2015

CHARACTERISTICS:

Parameters	Measure Units	Values
Adsorption capacity	(%) weight / weight	(12 +1)% @ 20 % R.H. – 23 °C (20 +2)% @ 40 % R.H. – 23 °C (36 +2)% @ 90 % R.H. – 23 °C
Residual Humidity	(%)	2,5% Max
Density	Kg/l	0,7 – 0,8
PH	-	3,5 - 7
Surface Area (BET)	m ² /g	720
Pore Volume	ml/g	0,35 – 0,5
Particle size	mm	2,5 – 6 mm (bulk) 2 – 3 mm (for desiccant bags)
Color	-	translucent

STOCKING & HANDLING: Keep in an airtight container, in a dry and sheltered place. Minimize dusting during use.

INFORMATIONS: The product is a solid mixture, it does not need to be labelled in conformity with Directive 1999/45 CE and CLP.

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REACH: The chemical components of the mixture are in conformity with Reach Regulation. The White Silica Gel does not contains biocides and it is in conformity with Directive 94/62 CE (concentration of Heavy metals).

DMF FREE: All desiccant bags or bulk desiccant products are tested as “DMF” (dimethyl fumarate) free.

HS Code: 28112200

NOTES: The given information are offered in good faith, but without guarantee. No patent liability is assumed.

END OF THE DOCUMENT

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