

ADSORBENT SORBEO SGW

(Water Resistant, Protective Buffer Adsorbent)

DESCRIPTION

Adsorbent SORBEO SGW is a wide pore, beaded form of silica gel resistant to liquid water. It is a buffer adsorbent used to protect adsorbent beds. SORBEO SGW exhibits a high water capacity under conditions of high relative humidity and in particular when water is present in the liquid phase. It also has a high capacity for liquid hydrocarbons and other organic liquids. When wet it maintains its mechanical strength and integrity. For this reason it is used as a buffer layer in molecular sieve and silica gel beds which may be subject to occasional liquid carryover.⁽¹⁾

APPLICATIONS

- Protective buffer in adsorbent beds

⁽¹⁾For any other technical gas please contact us or your local dealer

TECHNICAL SPECIFICATION

(Typical Values)

Appearance	Spherical beads
Material	Amorphous form of silica
Grain size	approx. 2-5 mm
Moisture content (160°C)	5% max
Bulk Density	450 g/l
Screen analysis	<5mm = 2% max
	<3,15mm = 55% max.
	<2,5mm = 7% max.

STANDARD PACKING

MODEL	PACKAGE	MASS
SORBEO SGW-S	5,8 L container	2,5 kg
SORBEO SGW-M	16,6 L container	7 kg
SORBEO SGW-L	35,4 L container	15 kg
SORBEO SGW-XL	220 L barrel	100 kg
SORBEO SGW-XXL	BIG BAG	400 kg

HANDLING AND STORAGE

Adsorbent SORBEO SGW should be handled so as to avoid generation of dusty conditions at the workplace. When pouring into a container in the presence of flammable liquids, gases or dust, both containers should be electrically earthed. Storage in a dry warehouse is recommended. Extended exposure to UV light degrades the big bag material and this should be avoided. Open packages should be resealed to prevent contamination and adsorption of water or other gases and vapours. The material in drums should be used within 4 years, the material in big bags within 6 months (from the date of production).

HEALTH AND SAFETY INFORMATION

Adsorbent SORBEO SGW is an amorphous form of silica. In active conditions it will release heat when adsorbing water or other substances. If a large quantity of silica gel quickly adsorbs water, the adsorbent can become hot enough to cause thermal burns of the skin; contact has to be avoided under these conditions. Information to date indicates that the dust from the product is not toxic and does not cause fibrosis. Please refer to relevant national laws and regulations.


First aid measures

General notes	Remove contaminated clothing
Inhalation	Get fresh air If respiratory difficulties persist seek medical attention
Skin contact	Wash with water and soap
Eye contact	Rinse cautiously with water or eye-cleaning solution for several minutes If irritation persists seek medical attention
Ingestion	Rinse mouth and drink plenty of water If symptoms persist seek medical attention

Fire fighting

Extinguishing media	carbon dioxide dry chemical foam water spray
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	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285	
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