

ADSORBENT SORBEO SGC

(Drying and Purification)

DESCRIPTION

Adsorbent SORBEO SGC is a beaded silica gel with very high mechanical integrity. It meets the demand for a heavy-metal free and environmental friendly indicating agent. With a new and improved indicator, Sorbeo SGC provides safe moisture indication without any concerns regarding carcinogenic ingredients. It also provides superior moisture indication with a crisp color change. The degree of moisture uptake is indicated by a color change from orange to colorless at approx. 6 wt % water content. However, it continues to adsorb water from this point until reaching its maximum capacity. Sorbeo SGC regains its full adsorption capacity when regenerated. Its unique formulation ensures advanced stability against harmful UV-rays. Typical applications are transformer air breathers as well as other breather filters, laboratory uses, packaging of moisture sensitive goods and many others.

APPLICATIONS

- Water vapour removal/Drying

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

TECHNICAL SPECIFICATION (Typical Values)

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| Appearance | Spherical beads |
| Material | SiO ₂ 97%; Al ₂ O ₃ 3%; Indicator 0,1% (wt) |
| Grain size | approx. 2-5 mm |
| Moisture content (160°C) | 2% max. |
| Bulk Density | 800 g/l |
| H ₂ O-Adsorption at Capacity 10% r.h., 25°C | 6,5 % |
| H ₂ O-Adsorption at Capacity 80% r.h., 25°C | 42 % |
| Crushing strength | 200N |
| Color when dry | Orange |
| Color when wet | Translucent |

STANDARD PACKING

| MODEL | PACKAGE | MASS |
|---------------|------------------|---------|
| SORBEO SGC-S | 5,8 L container | 4 kg |
| SORBEO SGC-M | 16,6 L container | 11,5 kg |
| SORBEO SGC-L | 35,4 L container | 24 kg |
| SORBEO SGC-XL | 220 L barrel | 150 kg |

HANDLING AND STORAGE

Adsorbent SORBEO SGC 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 SGC 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

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| 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

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| 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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