

## Active Mineral

**Material name:** Active Mineral

**Brand name:** Wisepac®, Wisesorb®, **Unisorb**

**Material Description:** Active Mineral is made from Montmorillonite clay mixed with Calcium Chloride via several physical and chemical processes including reaction, granule-making, sifting and drying. It can continue to reduce relative humidity down to low level, which decrease the dew point temperature even further. And has the ability to protect shipment from start to finish, through all temperature ranges and relative humidity variances. It is completely safe, non-toxic materials and can be disposed with regular waste.

<b>Chemical Composition (On dry basis)</b>	Bentonite	86.04%	1302-78-9 (CAS No.)
	Crystalline Silica	3.96%	14808-60-7 (CAS No.)
	Calcium chloride	10.00%	10043-52-4 (CAS No.)

<b>Physical Characteristics:</b>	Typical water vapour adsorption capacity at 25°C	
	at 20% relative humidity	≧ 18.3%
	at 40% relative humidity	≧ 27.7%
	at 80% relative humidity	≧ 52.0%
	Loss on ignition (170°C) (on dry basis)	max. 2%
	Bulk density	≧ 670
PH value	7.0±0.5	

**Standard grain Size:** 0.5–2mm, 2-4mm, other special gradings on request.

**Applications:** Due to its extremely high adsorptive capacity, active mineral desiccant has a multitude of uses:

Static adsorption (=removal of moisture and control of humidity in packaging and other enclosed spaces without induced air flow).

Dynamic adsorption (=removal of water from a continuously flowing gas or liquid stream).

**Packaging:** Packaged from 100 grams up to 2 kilograms by Tyvek or nonwoven; airtight in PE barriers and carton.

**Handling:** Active Mineral desiccant must always be kept in airtight containers to avoid pre-adsorption with water vapour. Face masks should be used at continual exposure to extensive dusting.

**Notes:** Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.