

BIOLOGIK

NATURALLY SUSTAINABLE

ADVANCED FORMULATION

BIO SORB

An application-specific bacterial product combined with a high absorbent carrier for turning liquids in to powder with the power of biological decomposition.

BIO SORB

Overview

Handling liquid spills is important issue in various industries, where customers prefer products that can be dispensed with precision and with ease without traditional liquid cleaning procedures. The most suitable options here are freely flowing powders or microgranular products that do not cake or form dust. Achieving these characteristics means having to convert liquid substances or pastes into free-flowing powders. It also means maintaining flowability for powdered substances and preventing them from caking. BIOLOGIK has developed special grade of ultra-liquid absorbent material that has the power of organic degrading properties reducing organics and odour as soon as product has been applied to the area of treatment allowing simple removal by simply sweeping or vacuuming the product for dispensing into a bin.

Applications

- Oil Spills
- Industrial Applications
- Restaurants and Hospitality Industries
- House Holds
- Liquids of all kinds

Advantages of Biologik BIO SORB

Absorb liquids with efficiency and simply sweep into a pan and dispose in the bin

Dry to the touch after absorbing liquids

No Lumping after absorbing liquids

Easy cleaning protocol and safe to handle

Degrading organics with the power of our bacterial formulation

Biologik specialty BIO SORB has long proven to be an out-standing carrier of liquids and oils in many types of applications. A highly absorbent, freely flowing, chemically inert, physiologically harmless material.

Bio Sorb yields a finished absorbate consisting of 50 – 70 % active agent, whose particle shape and handling properties are determined by the carrier. Biologik has developed its Bio Sorb specifically for producing dust-free and dry absorbates.



Figure 1
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Vitamin E acetate as an oil and as an absorbate

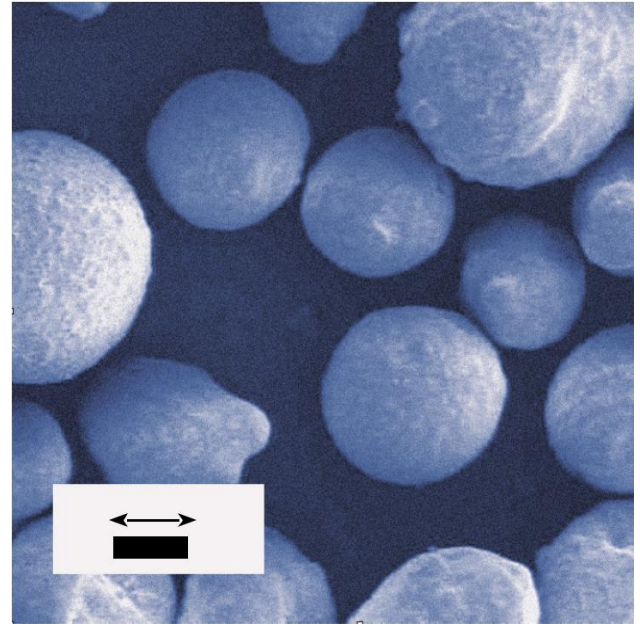


Figure 2
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Image of vitamin E acetate on BIO SORB

BIOLOGIK BIOSORB Powder provides our customers with a freely flowing powder or granulate that does not tend to form lumps – even when in storage. The addition of 0.5 – 2 % of a hydrophilic or 0.1 – 0.5 % of a hydrophobic BIOSORB product significantly improves flowability and reduces the tendency to cake. This allows users to dispense liquids evenly, makes cleaning easier, and prevents costly downtime and or unhygienic mops and other cleaning products traditionally used in the market place.

BEHAVIOUR VS. WATER		HYDROPHILIC					
Specific surface area BET	2/g	190	190	190	500	500	
Multipoint							
Particle size d50 laser		320	12	13,5	50	18	10
diffraction			0				
Tamped density	g/L	250	260	90	175	105	150
not sieved							
Loss on drying	%	≤ 7	≤ 7	≤ 7	≤ 7	≤ 7	≤ 6
2 h at 105 °C							
DAO* absorption	mL/100g	225	235	240	295	280	

based on original substance

*DAO = Dioctyladipate

The values depicted here serve as guides only and do not reflect actual specifications



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