

CHEMSOLUTE® SORB

ABSORBENT FOR OIL AND CHEMICALS

CHEMSOLUTE®
A BRAND OF TH.GEYER



CHEMSOLUTE® SORB

CHEMSOLUTE® Sorb is an innovative polymer/mineral-based chemical binding agent that can be used universally for all liquids and oils except mercury. It does not cause any dangerous reactions with the absorbed chemicals.

ADVANTAGES AND FIELDS OF APPLICATION

Economical consumption due to very high binding capacity
CHEMSOLUTE® Sorb can bind liquids in a ratio of up to 1:75 w/v, i.e. only 100 g are required for 7.5 l of liquid. The absorption capacity depends on the water content of the chemical to be bound. A minimal amount of water is required to trigger swelling. Very little pollutant-binder mixture is produced for disposal.

Fast and effective absorption
The absorbed chemicals and oils are bound very quickly and effectively, thus avoiding exposure to personnel and the environment and reducing the risk of fire. This also applies to liquids with high vapor pressure. CHEMSOLUTE® Sorb is not flammable or oxidizing, as the gel binding prevents an increase in surface area.

Non-dusting and skin-friendly
Due to its fine granular structure, CHEMSOLUTE® Sorb does not create dust and can therefore be used indoors without any problems. Clean, unused binder is also skin-friendly.

Vapor barrier for fuming chemicals
CHEMSOLUTE® Sorb acts as an emission barrier. With sufficient dosage, it also acts as a vapor barrier for fuming and vaporizing chemicals, so that fewer pollutants can escape into the air.

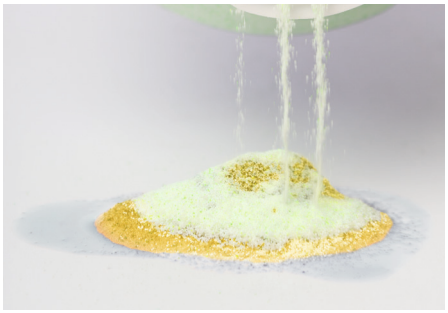
Suitability for traffic areas
As a state-tested oil binder in accordance with the German oil binder guideline type III R (MPA NRW 22 000 8388 10), it is also ideally suited for traffic areas.

Dam formation
To prevent outflow with larger volumes of liquid, CHEMSOLUTE® Sorb can also be dispensed to quickly create an effective barrier. Chemical-binding hoses or cushions are not necessary. Thanks to its rapid absorption capacity, CHEMSOLUTE® Sorb can collect dripping liquids and thus prevent contamination of the surface.

Indicator function
The pH indicator contained in CHEMSOLUTE® Sorb changes colour to indicate whether the liquids absorbed are acids or bases:

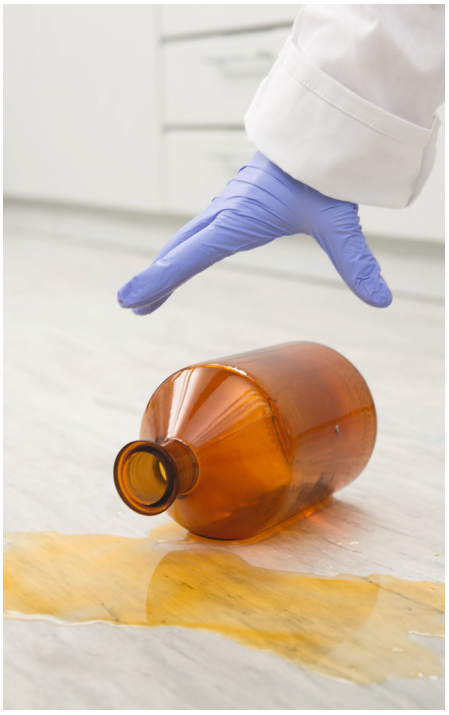
Colour change from green to **yellow** = acid
Colour change from green to **red** = base

Caution: Chlorine compounds or hydrogen peroxide can bleach the pH indicator after a short time. There is no neutralization of acids or bases.





EASY AND SAFE TO USE



APPLICATION

CHEMSOLUTE® Sorb is applied evenly over the entire surface of the spilled chemicals. It sinks in immediately and starts the absorption process. As soon as the absorption is complete, CHEMSOLUTE® Sorb remains dry, which can be seen by its lighter colour. Now the dispersal can be stopped.

CLEAN-UP

The chemicals and oils are firmly bound into a gel structure and can therefore be easily swept up after a few minutes.

DISPOSAL

The mixture of chemical and CHEMSOLUTE® Sorb must be treated in accordance with the applicable guidelines for the disposal of the bound chemical. If necessary, the original substance can even be recovered by thermal processes.







PACKAGE SIZES

CHEMSOLUTE® Sorb is available in four different package sizes to suit the various areas of application. A dosing container for precise dosing ideal for the laboratory bench or the fume cupboard, a wide-mouth container for larger quantities of liquid and a storage bucket as well as a barrel for refilling the smaller containers or for very large quantities of liquid.

Packaging material	Quantity	Art. no.
Dosing container	1 l	2410.0001
Wide-mouth container	4 l	2440.0001
Storage bucket	5 kg	2450.0001
Barrel	20 kg	2460.0001





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