ADABSORB

Innovation in water treatment

Preferred applications for the use of AdAbSorb

Purification of contaminated water by hydrocarbons in dissolved or solid form (PAK, LHKW, BTX Group, oils and derivatives, PCBs).

Landfill seepage water, Deposits of water (mining), Oil disasters, oil shipping, bilge waters, Industrial waste water, Process water

Significant reduction of COD values in polluted waters, including multi-stage use.

Landfill leachate Waste water slaughtering Treatment plants Wastewater Waste management Industrial wastewater

Possible applications for the use of AdAbSorb.

Exposed drinking water fountains Closed garbage dumps PCB-contaminated mines Fire brigades, car accidents Small sewage works Ports, oil terminals Tank shipping oil spill kits

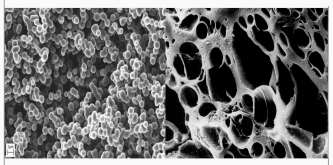
This is the sad reality!

The amount of usable fresh water on the planet is very limited!

AdAbSorb makes a positive contribution to make contaminated fresh water again usable as a resource.

ADAB innovation in water treatment SORB

the molecular adsorbing absorber



AdAbSorb vs. Activated Carbon

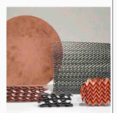
AdAbSorb differs due to the pore structure and its distribution from the often used activated carbon. The active carbon is dominated by micropores, which are optimized for small molecule processes. For long-chain and ring molecules, e.g. Activated carbon is often blocked by its molecular structure and thus loses its operability through the associated pore blockade. AdAbSorb, on the other hand, is dominated by the mesopores, which take up such molecules in an optimized manner and which result in a much higher absorption capacity due to the multi-stage recording process. The application areas of AdAbSorb are almost unlimited and therefore it is both an alternative, as well as an extension and addition to the active carbon.

AdAbSorb innovation in water treatment

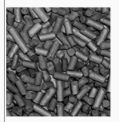
AdAbSorb is working in multi-levels! It adsorbs the entire group of undesirable hydrocarbons, including crude oil and all its derivatives. The multistage is the absorption of the adsorbed pollutants. That is, the pollutants accumulated during adsorption are completely absorbed and enclosed by the material. By this effect the pollutants are bound in the AdAbSorb and cannot be released again. The absorption of pollutants by this reaction of the system components can be a multiple of the dead weight of AdAbSorb.

Conditionality of AdAbSorb

AdAbSorb can be conditioned for special applications. Depending on the requirements, additional specially adapted materials or metal catalysts can be added to the existing components, which additionally increase the possible applications.



Supplied by AdAbSorb



AdAbSorb is available as powder, pellets or granules. It can be supplied either as bulk material for filter systems or as pads, booms or molded parts. The latter is more likely to be attributed to the field of special application as far as accidents and accidents are concerned.

Usability of AdAbSorb

After the absorption of pollutants from the range of the hydrocarbons, the AdAbSorb can be thermally utilized, the calorific value is between 20 and 40 Megajoule. Disposal is easy because AdAbSorb does not release the contaminants.