Technical data sheet **Adsorbium 95**

version 02/XVI/042018

Raw stuff:

Natural fibre100 %
Bulk structure, organic
DIN 18300 – soil classes 1-3
DIN 19682, - fibrious, wood, light brown

Chemical properties	guide value	actual value
1.1 pH-value	4-11	4,7
1.2 salinity	< 0,4	
1.3 soluble main nutriances		
1.3.1 Nitrogen (NH4-N + NO3-N) [mg/l] < 50		< 50
1.3.2 Phosphor (P2O5) [mg/l]	< 30	< 30
1.3.3 Potassium (K2O) [mg/l]	< 40	< 40
1.4 Organic substance [% TM]	> 90	> 90
1.5 Heavy metals (total content)**		
1.5.1 Arsenic (AS) [mg/l]	≤ 0,2	< 0,001
1.5.2 Lead (PB) [mg/l]	≤ 0,2	0,002
1.5.3 Cadmium (CD) [mg/l]	≤ 0,05	< 0,0001
1.5.4 Chromium (CR) [mg/l]	≤ 0,3	< 0,001
1.5.5 Nickel (NI) [mg/l]	≤ 0,2	0,001
1.5.6 Mercury (Hg) [mg/l]	≤ 0,005	< 0,00001
1.5.7 Copper [mg/l]	≤ 1	0,009
1.5.8 Zinc (ZN) [mg/l]	≤ 2	0,013
1.5.9 Fluoride (F) [mg/l]	≤ 5	0,09
1.5.10 Cyanide (CN) [mg/l]	≤ 0,1	< 0,01
1.5.11 Barium (BA) [mg/l]	≤ 5	0,021
1.5.12 Molybdenum (MO) [mg/l]	≤ 0,3	< 0,001
1.5.13 Antimony (SB) [mg/l]	≤ 0,03	0,007
1.5.14 Selenium (Se) [mg/l]	≤ 0,03	< 0,001
1.5.15 Chloride (Cl) [mg/l]	≤ 1500	9,9
1.5.16 Sulphate(SO4) [mg/l]	≤ 2000	< 5
1.5.17 Evaporation residue [mg/l]	≤ 3000	570

**CAS 999999-99-4; EINECS/ELINCS: 310-127-6; SVHC List (List of Substances of very high Concern)
”contents none or less than 0,1% of listed substances (SDB 19072006 – EG – Reach (DE))

Performance:

Properties	
Density	< 140 Gramm / Liter
Hydrophobic	> 97%
Hygroscobic	< 4%
Floatable	> 95 %
S a tura tio n	10 0 %
Self-ignition	265°C - 289°C
Operating life	> 5 Jahre
Absorption -parameters- faktor	
Kg/SORB XT vs l/oil	4,68
l/SORB XT vs l/oil	0,66
absorbtion speed (sec.) 0,5	
Application fields	
Type I	water
Type II	water and usual grounds
Type III-R	special and industrial grounds
Oil and lubricants	
Fuels	
Emulsions and many chemicals	
Coulours and further materials	
No danger for human beings and environment	

Testing institutes:
Institute of Hygiene Gelsenkirchen
Chemiebüro ® Regensburg
Materials Testing Institute NRW