Technical data sheet SORB®XT

version 11.2023

Raw material:

natural fibre100 % bulk structure, biogenic sediment

DIN 18300 - soil classes 1-3

DIN 19682 - fibrous, wood, light brown

CAS # 999999-99

Properties	
Density	< 175 Gramm / Liter
Hydrophobic	> 97%
Hygroscobic	< 4%
Floatable	> 98 %
Saturation	100%
Self-ignition	265°C - 289°C
Operating life	> 5 years
Absorption -parameters-	factor
Kg/SORB XT vs l/oil	3,19
l/SORB XT vs l/oil	0,55
absorption 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 (every kind of hydrocarbons)	
Acids (huge number of acids, also very specific ones)	
Caustic soda (> 45%), polymers	
Coatings, paints, resins, fire fighter's foam and more	
No danger for human beings and environment	

Testing institutes:

- Hygiene Institute, Gelsenkirchen
- Chemiebüro® Regensburg
- Materials Testing Institute NRW, Dortmund

Eluate analysis „1+10“, weight of the contents = 150 mg/l (according to DIN EN 12457-4)

Department of Allegro
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Parameter			Oil binder "SORB®XT"	Limit values according to Ordinance	
				Types I, II und IV / „W"	Type III / „R"
pH-value			4.2	4 - 11	4 - 11
Organic carbon	DOC	mg/l	3.1	≤ 50	≤ 80
Phenols		mg/l	< 0.01	≤ 0.2	≤ 50
Arsenic	As	mg/l	0.002	≤ 0.2	≤ 0.2
Lead	Pb	mg/l	0.002	≤ 0.2	≤ 1
Cadmium	Cd	mg/l	< 0.0001	≤ 0.05	≤ 0.1
Copper	Cu	mg/l	0.005	≤ 1	≤ 5
Nickel	Ni	mg/l	< 0.001	≤ 0.2	≤ 1
Mercury	Hg	mg/l	< 0.0001	≤ 0.005	≤ 0.02
Zinc	Zn	mg/l	0.015	≤ 2	≤ 5
Fluorid	F^-	mg/l	< 0.05	≤ 5	≤ 15
Cyanid, easily released	CN^-	mg/l	< 0.01	≤ 0.1	≤ 0.5
Evaporation residue		mg/l	380	≤ 3000	≤ 6000
Barium	Ba	mg/l	0.005	≤ 5	≤ 10
Chromium	Cr ges.	mg/l	< 0.001	≤ 0.3	≤ 1
Molybdenum	Mo	mg/l	0.001	≤ 0.3	≤ 1
Antimony	Sb	mg/l	0.002	≤ 0.03	≤ 0.07
Selenium	Se	mg/l	< 0.001	≤ 0.03	≤ 0.05
Chloride	Cl^-	mg/l	6.20	≤ 1500	≤ 1500
Sulphate	SO_4	mg/l	< 5.0	≤ 2000	≤ 2000
Electrical conductivity		µS/cm	104	–	–
Dry residue original method		%	66.9	–	–

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