



Färber & Schmid
Chemie · Technik

HydroMet Alpha[®]-ME/X4

Environmental friendly metal-precipitant The new metal-precipitant generation

HydroMet Alpha[®]-ME/X4 is a high molecular chelating polymer with strong precipitation properties to eliminate heavy metals out of industrial contaminated waste water. Even in the presence of strong complexing agents a secure elimination of all metals are possible. This product combines multi-metal precipitation with an interesting price-efficiency ratio.

HydroMet Alpha[®]-ME/X4 offers unique and good environmental compatibility. Due to its special molecular structure an advantage of flocculation and mud sedimentation occurs.

Adding standard sulphur-based metal precipitants in combination with some organic contaminations of the waste water can results in turbidity of the treated water. This negative impact does not appear by using HydroMet Alpha[®]-ME/X4 . The operator receives an easy to use product. The optimised dosing quantities of HydroMet Alpha[®]-ME/X4 have to be defined upon the composition and kind of waste water.

Technical Properties	
Density (g/cm ³) at 20 °C	1,15 – 1,25
pH-value (10 g / l H ₂ O)	>12
Application temperature (°C)	20 – 50
Water solubility (%)	100
Operation concentration (kg/m ³)	0,1 – 10,0
Molecular weight (g/mol)	> 500

Applications			
Galvanic Companies	++	Lacquer Factories	++
Printed Circuit Boards	++	Mining Companies	++
Sewage Plants	++	Textile Industry	++
Waste Diposal	++	Chemical Industry	++

++ very recommended	+ recommended	o possible	- not recommended
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General Indications
The product is delivered as a ready to use solution.
The processing time is appr. 5 - 40 minutes.
Recommended pH-value : 4,5 - 13,0 (optimally 6,0 – 9,0)
Excesses are to be avoided because of eco-toxic reasons and can can be detected safely by using the "S-indicator solution".
Chemical affinity of heavy metals: Cu ²⁺ > Ni ²⁺ > Zn ²⁺ > Ag ⁺ > Hg ²⁺ > Pb ²⁺ > Cd ²⁺ > Fe ³⁺ > Mn ²⁺
Special benefits: active over a broad pH-range – no smelling – highly effective on different heavy metals – overdose of the product should be avoided
Storage condition : not below 0 °C

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