



Färber & Schmid
Chemie · Technik

Reductor FS-4

Liquid alkaline, inorganic coagulant

Reductor FS-4 is a specific formulation of selected metal salts in an alkaline basic setting. The user receives an easy-to-use product which has been specifically proven for heavily polluted waste water (degreasing, oils, emulsions, surfactants, etc.).

Especially acidic waste water can be pretreated with Reductor FS-4. A simultaneous pH increase can be achieved. Thus base or calcium hydroxide can be saved.

Technical Properties	
Density (g/cm ³) at 20°C	1,30-1,40
pH-value (10 g / l H ₂ O)	>12,5
Application temperature (°C)	20 - 50
Water solubility (%)	100
Operation concentration kg/m ³	0,2 - 10,0

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 can be used as delivered.
Reaction time is appr. 10 minutes.
The application range is at pH 1,0 – 13,0; optimum at pH 4,0 -9,0.
Improves the sludge dewatering
Colloidal turbidities were removed.
Colored waste water are broken down and the dye is bound to the sludge.
The resulting hydroxide can subsequently flocculate very well.
Phosphate can be precipitated.
Dangerous goods